

## Excellent Integrated System Limited

Stocking Distributor

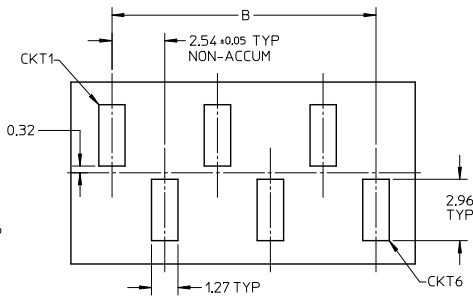
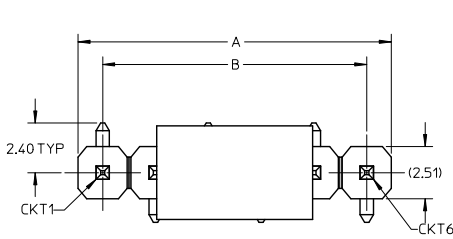
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Molex Connector Corporation](#)  
[0878980209](#)

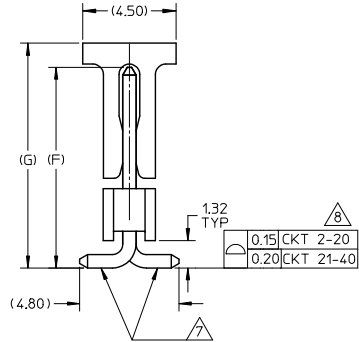
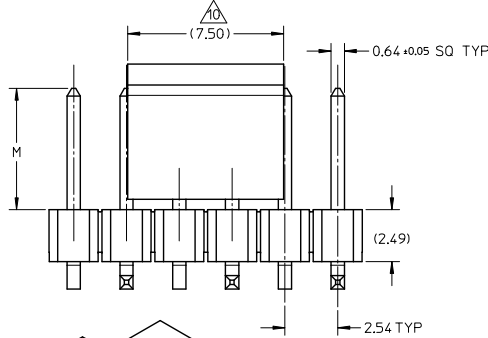
For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

10 9 8 7 6 5 4 3 2 1



**RECOMMENDED PCB LAYOUT: COMPONENT SIDE**



**NOTES:**

**1. MATERIAL:**

HSG: NYLON, GLASS-FILLED, UL94V-0, COLOR: BLACK  
CAP: NYLON, GLASS-FILLED, UL94V-0, COLOR: BLACK  
PIN: 0.64MM SQ, COPPER ALLOY

**2. PLATING TYPE:**

- (1) GOLD FLASH OVER  
1.25µm MIN. NICKEL OVERALL.
- (2) GOLD FLASH ON CONTACT AND  
2.50µm MIN. TIN ON SOLDER TAIL OVER  
1.25µm MIN. NICKEL OVERALL.
- (4) 0.38µm MIN. GOLD PLATE ON CONTACT AND  
2.00µm MIN. TIN ON SOLDER TAIL OVER  
1.25µm MIN. NICKEL OVERALL.
- (5) 0.75µm MIN. GOLD PLATE ON CONTACT AND  
2.00µm MIN. TIN ON SOLDER TAIL OVER  
1.25µm MIN. NICKEL OVERALL.
- (6) 2.50µm MIN. TIN OVERALL  
1.25µm MIN. NICKEL OVERALL.

**3. PRODUCT SPECIFICATION: PS-87920-019**

**4. PACKAGING TYPE: SEE TABLE**

**5. PACKAGING SPEC:**

TUBE WITH CAP VERSION: PK-89990-558  
TUBE W/O CAP VERSION: PK-89990-545  
EMBOSS TAPE WITH CAP: PK-89990-486

**6. WAFER TO BE FLAT WITHIN 0.003 mm/mm**

△ BEND DEPRESSION IS ACCEPTED SO LONG AS IT DOES NOT AFFECT THE OVERALL COPLANARITY OF TAIL

△ COPLANARITY IS TO BE MEASURED BY RESTING THE SOLDER TAIL ON A FLAT SURFACE

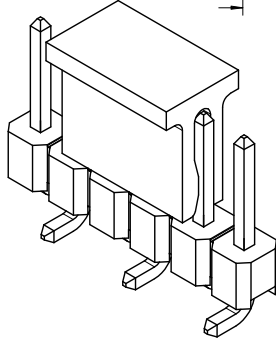
△ IRREGULAR CIRCUIT CUTOFF WITHIN BREAKAWAY SECTION IS PERMISSIBLE. CUTTING OR CHIPPING OF THE MAIN BODY IS NOT ACCEPTABLE

△ CAP LOCATION IS CENTERED ALONG THE MATING ENDS AS SHOWN. TOP SURFACE OF CAP TO BE FLAT FOR THE PURPOSE OF PICK & PLACE BY VACUUM SUCTION NOZZLE

11. RECOMMENDED PCB THICKNESS IS 1.60mm ± 0.10

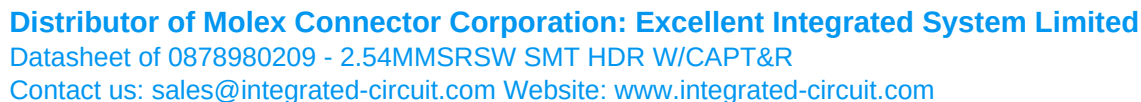
12. THE ABOVE CKT 6 IS FOR ILLUSTRATION PURPOSE ONLY

13. TUBE LENGTH AS PER STANDARD 560mm

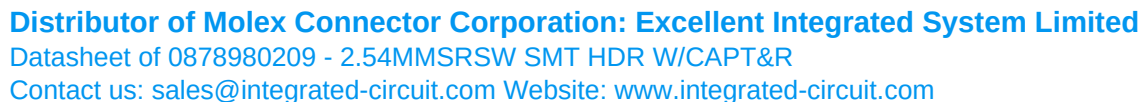


|                                                                                                             |             |                 |                                       |              |                 |             |                                                                                                                               |                         |                        |  |  |
|-------------------------------------------------------------------------------------------------------------|-------------|-----------------|---------------------------------------|--------------|-----------------|-------------|-------------------------------------------------------------------------------------------------------------------------------|-------------------------|------------------------|--|--|
| SHT2+87898-0315<br>EC NO: S2014-0976<br>DRAWN BY: DRW/NATSEE<br>CHKD: FANNY WONG<br>APPR: BLLEE<br>REV: B12 | DESCRIPTION | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) |              | DIMENSION STYLE |             | SCALE                                                                                                                         | DESIGN UNITS            | THIRD ANGLE PROJECTION |  |  |
|                                                                                                             |             |                 |                                       |              | MM ONLY         |             | NTS                                                                                                                           | METRIC                  |                        |  |  |
|                                                                                                             |             |                 |                                       | mm           | INCH            | DRAWN BY    | DATE                                                                                                                          | TITLE                   |                        |  |  |
|                                                                                                             |             |                 | 4 PLACES                              | ± ---        | ± ---           | YLOIAO      | 2005/03/14                                                                                                                    | CUSTOM HEADER           |                        |  |  |
|                                                                                                             |             |                 | 3 PLACES                              | ± ---        | ± ---           | CHECKED BY  | DATE                                                                                                                          | 2.54MM PITCH SINGLE ROW |                        |  |  |
|                                                                                                             |             |                 | 2 PLACES                              | ± 0.2        | ± ---           | PTLIM       | 2005/03/29                                                                                                                    | SINGLE WAFER SMT HEADER |                        |  |  |
|                                                                                                             |             |                 | 1 PLACE                               | ± ---        | ± ---           | APPROVED BY | DATE                                                                                                                          | molex                   | MOLEX INCORPORATED     |  |  |
|                                                                                                             |             |                 | ANGULAR ± 3 °                         |              | MLONG           | 2010/10/04  |                                                                                                                               |                         |                        |  |  |
|                                                                                                             |             |                 | DRAFT WHERE APPLICABLE                |              | SEE TABLE       |             | DOCUMENT NO.                                                                                                                  |                         |                        |  |  |
|                                                                                                             |             |                 | MUST REMAIN WITHIN DIMENSIONS         |              | SIZE A3         |             | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                         |                        |  |  |
|                                                                                                             |             |                 |                                       | MATERIAL NO. |                 | SHEET NO.   |                                                                                                                               | 1 OF 20                 |                        |  |  |

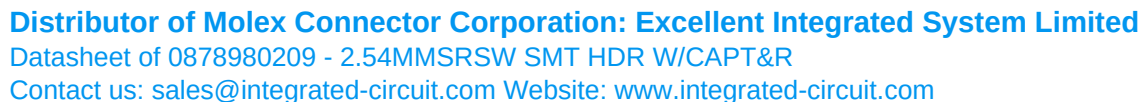
9 8 7 6 5 4 3 2 1



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| TRAY WITHOUT CAP          |  |  |  |  |  |  |  |  |  | TRAY WITH CAP |  |  |  |  |  |  |  |  |  | TUBE WITHOUT CAP |  |  |  |  |  |  |  |  |  | TUBE WITH CAP |  |  |  |  |  |  |  |  |  | TAPE & REEL WITHOUT CAP |  |  |  |  |  |  |  |  |  | TAPE & REEL WITH CAP |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 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|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------------|------------------|----------------------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------------|---------------------------|---------------------------------------------------------------------|-------|--|--------------------|--|----------------------|
|                                          | 10                                                                                                                                                        | 9                | 8                   | 7                | 6                          | 5                       | 4                                                                                                                                | 3                                                                                                                                                                   | 2                                                                                                                                                                   | 1            |                        |                           |                                                                     |       |  |                    |  |                      |
| F                                        | PACKAGING OPTION PART NO.                                                                                                                                 |                  |                     |                  |                            |                         | CKT<br>SIZE                                                                                                                      | VOID<br>POSITION                                                                                                                                                    | PLATING<br>TYPE                                                                                                                                                     | DIMENSION    |                        |                           |                                                                     |       |  |                    |  |                      |
|                                          | TRAY<br>WITHOUT CAP                                                                                                                                       | TRAY<br>WITH CAP | TUBE<br>WITHOUT CAP | TUBE<br>WITH CAP | TAPE & REEL<br>WITHOUT CAP | TAPE & REEL<br>WITH CAP |                                                                                                                                  |                                                                                                                                                                     |                                                                                                                                                                     | A            | B                      | G                         | F                                                                   | M     |  |                    |  |                      |
|                                          | -----                                                                                                                                                     | -----            | 87898-0421          | 87898-0431       | -----                      | 87898-0451              | 4                                                                                                                                | -----                                                                                                                                                               | 1                                                                                                                                                                   | 10.16        | 7.62                   | 10.81                     | 9.65                                                                | 5.84  |  |                    |  |                      |
|                                          | -----                                                                                                                                                     | -----            | 87898-0422          | 87898-0432       | -----                      | 87898-0452              | 4                                                                                                                                | -----                                                                                                                                                               | 2                                                                                                                                                                   | 10.16        | 7.62                   | 10.81                     | 9.65                                                                | 5.84  |  |                    |  |                      |
|                                          | -----                                                                                                                                                     | -----            | 87898-0424          | 87898-0434       | -----                      | 87898-0454              | 4                                                                                                                                | -----                                                                                                                                                               | 4                                                                                                                                                                   | 10.16        | 7.62                   | 10.81                     | 9.65                                                                | 5.84  |  |                    |  |                      |
| E                                        | -----                                                                                                                                                     | -----            | 87898-0425          | 87898-0435       | -----                      | 87898-0455              | 4                                                                                                                                | -----                                                                                                                                                               | 5                                                                                                                                                                   | 10.16        | 7.62                   | 10.81                     | 9.65                                                                | 5.84  |  |                    |  |                      |
|                                          | -----                                                                                                                                                     | -----            | 87898-0426          | 87898-0436       | -----                      | 87898-0456              | 4                                                                                                                                | -----                                                                                                                                                               | 6                                                                                                                                                                   | 10.16        | 7.62                   | 10.81                     | 9.65                                                                | 5.84  |  |                    |  |                      |
|                                          |                                                                                                                                                           |                  |                     |                  |                            |                         |                                                                                                                                  |                                                                                                                                                                     |                                                                                                                                                                     |              |                        |                           |                                                                     |       |  |                    |  |                      |
|                                          | -----                                                                                                                                                     | -----            | 87898-0521          | 87898-0531       | -----                      | 87898-0551              | 5                                                                                                                                | -----                                                                                                                                                               | 1                                                                                                                                                                   | 12.70        | 10.16                  | 10.81                     | 9.65                                                                | 5.84  |  |                    |  |                      |
|                                          | -----                                                                                                                                                     | -----            | 87898-0522          | 87898-0532       | -----                      | 87898-0552              | 5                                                                                                                                | -----                                                                                                                                                               | 2                                                                                                                                                                   | 12.70        | 10.16                  | 10.81                     | 9.65                                                                | 5.84  |  |                    |  |                      |
| D                                        | -----                                                                                                                                                     | -----            | 87898-0524          | 87898-0534       | -----                      | 87898-0554              | 5                                                                                                                                | -----                                                                                                                                                               | 4                                                                                                                                                                   | 12.70        | 10.16                  | 10.81                     | 9.65                                                                | 5.84  |  |                    |  |                      |
|                                          | -----                                                                                                                                                     | -----            | 87898-0525          | 87898-0535       | -----                      | 87898-0555              | 5                                                                                                                                | -----                                                                                                                                                               | 5                                                                                                                                                                   | 12.70        | 10.16                  | 10.81                     | 9.65                                                                | 5.84  |  |                    |  |                      |
|                                          | -----                                                                                                                                                     | -----            | 87898-0526          | 87898-0536       | -----                      | 87898-0556              | 5                                                                                                                                | -----                                                                                                                                                               | 6                                                                                                                                                                   | 12.70        | 10.16                  | 10.81                     | 9.65                                                                | 5.84  |  |                    |  |                      |
|                                          |                                                                                                                                                           |                  |                     |                  |                            |                         |                                                                                                                                  |                                                                                                                                                                     |                                                                                                                                                                     |              |                        |                           |                                                                     |       |  |                    |  |                      |
|                                          |                                                                                                                                                           |                  |                     |                  |                            |                         |                                                                                                                                  |                                                                                                                                                                     |                                                                                                                                                                     |              |                        |                           |                                                                     |       |  |                    |  |                      |
| C                                        | -----                                                                                                                                                     | -----            | 87898-0621          | 87898-0631       | -----                      | 87898-0651              | 6                                                                                                                                | -----                                                                                                                                                               | 1                                                                                                                                                                   | 15.24        | 12.70                  | 10.81                     | 9.65                                                                | 5.84  |  |                    |  |                      |
|                                          | -----                                                                                                                                                     | -----            | 87898-0622          | 87898-0632       | -----                      | 87898-0652              | 6                                                                                                                                | -----                                                                                                                                                               | 2                                                                                                                                                                   | 15.24        | 12.70                  | 10.81                     | 9.65                                                                | 5.84  |  |                    |  |                      |
|                                          | -----                                                                                                                                                     | -----            | 87898-0624          | 87898-0634       | -----                      | 87898-0654              | 6                                                                                                                                | -----                                                                                                                                                               | 4                                                                                                                                                                   | 15.24        | 12.70                  | 10.81                     | 9.65                                                                | 5.84  |  |                    |  |                      |
|                                          | -----                                                                                                                                                     | -----            | 87898-0625          | 87898-0635       | -----                      | 87898-0655              | 6                                                                                                                                | -----                                                                                                                                                               | 5                                                                                                                                                                   | 15.24        | 12.70                  | 10.81                     | 9.65                                                                | 5.84  |  |                    |  |                      |
|                                          | -----                                                                                                                                                     | -----            | 87898-0626          | 87898-0636       | -----                      | 87898-0656              | 6                                                                                                                                | -----                                                                                                                                                               | 6                                                                                                                                                                   | 15.24        | 12.70                  | 10.81                     | 9.65                                                                | 5.84  |  |                    |  |                      |
|                                          | 87898-0607                                                                                                                                                | -----            | -----               | -----            | -----                      | 87898-0657              | 6                                                                                                                                | -----                                                                                                                                                               | 6                                                                                                                                                                   | 15.24        | 12.70                  | 16.47                     | 15.31                                                               | 11.50 |  |                    |  |                      |
| B                                        |                                                                                                                                                           |                  |                     |                  |                            |                         |                                                                                                                                  |                                                                                                                                                                     |                                                                                                                                                                     |              |                        |                           |                                                                     |       |  | B                  |  |                      |
| A                                        |                                                                                                                                                           |                  |                     |                  |                            |                         |                                                                                                                                  |                                                                                                                                                                     |                                                                                                                                                                     |              |                        |                           |                                                                     |       |  | A                  |  |                      |
|                                          | <div>SHT2-87898-0315<br/>EC NO.: S2014-0976<br/>DRAWN BY: CHKCH-FANYWONG<br/>CHKD BY: LBLEE<br/>DATE: 2014/04/14<br/>DATE: 2014/09/11<br/>APPR: B12</div> |                  |                     |                  |                            |                         | QUALITY<br>SYMBOLS<br>▽=0<br>▽=0<br>▽=0                                                                                          | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)<br>mm INCH<br>4 PLACES ± --- ± ---<br>3 PLACES ± --- ± ---<br>2 PLACES ± 0.2 ± ---<br>1 PLACE ± --- ± ---<br>ANGULAR ± 3 ° | DIMENSION STYLE<br>MM ONLY<br>DRAWN BY DATE YLQIAO 2005/03/14<br>CHECKED BY DATE PTLIM 2005/03/29<br>APPROVED BY DATE MLONG 2010/10/04<br>MATERIAL NO.<br>SEE TABLE | SCALE<br>NTS | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION | CUSTOM HEADER<br>2.54MM PITCH SINGLE ROW<br>SINGLE WAFER SMT HEADER |       |  | MOLEX INCORPORATED |  | SHEET NO.<br>3 OF 20 |
|                                          | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                                |                  |                     |                  |                            |                         | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                                                                                                                     |                                                                                                                                                                     |              |                        |                           |                                                                     |       |  |                    |  |                      |
| tb_frame_A3_P_AM_T<br>Rev. F. 2009/06/18 |                                                                                                                                                           | 9                | 8                   | 7                | 6                          | 5                       | 4                                                                                                                                | 3                                                                                                                                                                   | 2                                                                                                                                                                   | 1            |                        |                           |                                                                     |       |  |                    |  |                      |



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                           |                                                                                                                                  |                     |                                       |                            |                         |             |                                                                     |                 |                        |       |       |      |      |  |  |                                                                                                       |     |             |                 |                                       |   |                 |   |       |              |                        |          |         |  |     |        |    |      |      |  |       |                 |  |            |  |                                                                     |                  |  |            |  |                  |  |              |  |              |  |           |               |  |           |  |              |  |         |                                                            |  |                                                                                                                                  |  |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------------------------|----------------------------|-------------------------|-------------|---------------------------------------------------------------------|-----------------|------------------------|-------|-------|------|------|--|--|-------------------------------------------------------------------------------------------------------|-----|-------------|-----------------|---------------------------------------|---|-----------------|---|-------|--------------|------------------------|----------|---------|--|-----|--------|----|------|------|--|-------|-----------------|--|------------|--|---------------------------------------------------------------------|------------------|--|------------|--|------------------|--|--------------|--|--------------|--|-----------|---------------|--|-----------|--|--------------|--|---------|------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 10                        | 9                                                                                                                                | 8                   | 7                                     | 6                          | 5                       | 4           | 3                                                                   | 2               | 1                      |       |       |      |      |  |  |                                                                                                       |     |             |                 |                                       |   |                 |   |       |              |                        |          |         |  |     |        |    |      |      |  |       |                 |  |            |  |                                                                     |                  |  |            |  |                  |  |              |  |              |  |           |               |  |           |  |              |  |         |                                                            |  |                                                                                                                                  |  |  |  |  |
| F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | PACKAGING OPTION PART NO. |                                                                                                                                  |                     |                                       |                            |                         | CKT<br>SIZE | VOID<br>POSITION                                                    | PLATING<br>TYPE | DIMENSION              |       |       |      |      |  |  |                                                                                                       |     |             |                 |                                       |   |                 |   |       |              |                        |          |         |  |     |        |    |      |      |  |       |                 |  |            |  |                                                                     |                  |  |            |  |                  |  |              |  |              |  |           |               |  |           |  |              |  |         |                                                            |  |                                                                                                                                  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | TRAY<br>WITHOUT CAP       | TRAY<br>WITH CAP                                                                                                                 | TUBE<br>WITHOUT CAP | TUBE<br>WITH CAP                      | TAPE & REEL<br>WITHOUT CAP | TAPE & REEL<br>WITH CAP |             |                                                                     |                 | A                      | B     | G     | F    | M    |  |  |                                                                                                       |     |             |                 |                                       |   |                 |   |       |              |                        |          |         |  |     |        |    |      |      |  |       |                 |  |            |  |                                                                     |                  |  |            |  |                  |  |              |  |              |  |           |               |  |           |  |              |  |         |                                                            |  |                                                                                                                                  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -----                     | -----                                                                                                                            | 87898-0721          | 87898-0731                            | -----                      | 87898-0751              | 7           | -----                                                               | 1               | 17.78                  | 15.24 | 10.81 | 9.65 | 5.84 |  |  |                                                                                                       |     |             |                 |                                       |   |                 |   |       |              |                        |          |         |  |     |        |    |      |      |  |       |                 |  |            |  |                                                                     |                  |  |            |  |                  |  |              |  |              |  |           |               |  |           |  |              |  |         |                                                            |  |                                                                                                                                  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -----                     | -----                                                                                                                            | 87898-0722          | 87898-0732                            | -----                      | 87898-0752              | 7           | -----                                                               | 2               | 17.78                  | 15.24 | 10.81 | 9.65 | 5.84 |  |  |                                                                                                       |     |             |                 |                                       |   |                 |   |       |              |                        |          |         |  |     |        |    |      |      |  |       |                 |  |            |  |                                                                     |                  |  |            |  |                  |  |              |  |              |  |           |               |  |           |  |              |  |         |                                                            |  |                                                                                                                                  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -----                     | -----                                                                                                                            | 87898-0724          | 87898-0734                            | -----                      | 87898-0754              | 7           | -----                                                               | 4               | 17.78                  | 15.24 | 10.81 | 9.65 | 5.84 |  |  |                                                                                                       |     |             |                 |                                       |   |                 |   |       |              |                        |          |         |  |     |        |    |      |      |  |       |                 |  |            |  |                                                                     |                  |  |            |  |                  |  |              |  |              |  |           |               |  |           |  |              |  |         |                                                            |  |                                                                                                                                  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -----                     | -----                                                                                                                            | 87898-0725          | 87898-0735                            | -----                      | 87898-0755              | 7           | -----                                                               | 5               | 17.78                  | 15.24 | 10.81 | 9.65 | 5.84 |  |  |                                                                                                       |     |             |                 |                                       |   |                 |   |       |              |                        |          |         |  |     |        |    |      |      |  |       |                 |  |            |  |                                                                     |                  |  |            |  |                  |  |              |  |              |  |           |               |  |           |  |              |  |         |                                                            |  |                                                                                                                                  |  |  |  |  |
| E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -----                     | -----                                                                                                                            | 87898-0726          | 87898-0736                            | -----                      | 87898-0756              | 7           | -----                                                               | 6               | 17.78                  | 15.24 | 10.81 | 9.65 | 5.84 |  |  |                                                                                                       |     |             |                 |                                       |   |                 |   |       |              |                        |          |         |  |     |        |    |      |      |  |       |                 |  |            |  |                                                                     |                  |  |            |  |                  |  |              |  |              |  |           |               |  |           |  |              |  |         |                                                            |  |                                                                                                                                  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                           |                                                                                                                                  |                     |                                       |                            |                         |             |                                                                     |                 |                        |       |       |      |      |  |  |                                                                                                       |     |             |                 |                                       |   |                 |   |       |              |                        |          |         |  |     |        |    |      |      |  |       |                 |  |            |  |                                                                     |                  |  |            |  |                  |  |              |  |              |  |           |               |  |           |  |              |  |         |                                                            |  |                                                                                                                                  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -----                     | -----                                                                                                                            | 87898-0821          | 87898-0831                            | -----                      | 87898-0851              | 8           | -----                                                               | 1               | 20.32                  | 17.78 | 10.81 | 9.65 | 5.84 |  |  |                                                                                                       |     |             |                 |                                       |   |                 |   |       |              |                        |          |         |  |     |        |    |      |      |  |       |                 |  |            |  |                                                                     |                  |  |            |  |                  |  |              |  |              |  |           |               |  |           |  |              |  |         |                                                            |  |                                                                                                                                  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -----                     | -----                                                                                                                            | 87898-0822          | 87898-0832                            | -----                      | 87898-0852              | 8           | -----                                                               | 2               | 20.32                  | 17.78 | 10.81 | 9.65 | 5.84 |  |  |                                                                                                       |     |             |                 |                                       |   |                 |   |       |              |                        |          |         |  |     |        |    |      |      |  |       |                 |  |            |  |                                                                     |                  |  |            |  |                  |  |              |  |              |  |           |               |  |           |  |              |  |         |                                                            |  |                                                                                                                                  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -----                     | -----                                                                                                                            | 87898-0824          | 87898-0834                            | -----                      | 87898-0854              | 8           | -----                                                               | 4               | 20.32                  | 17.78 | 10.81 | 9.65 | 5.84 |  |  |                                                                                                       |     |             |                 |                                       |   |                 |   |       |              |                        |          |         |  |     |        |    |      |      |  |       |                 |  |            |  |                                                                     |                  |  |            |  |                  |  |              |  |              |  |           |               |  |           |  |              |  |         |                                                            |  |                                                                                                                                  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -----                     | -----                                                                                                                            | 87898-0825          | 87898-0835                            | -----                      | 87898-0855              | 8           | -----                                                               | 5               | 20.32                  | 17.78 | 10.81 | 9.65 | 5.84 |  |  |                                                                                                       |     |             |                 |                                       |   |                 |   |       |              |                        |          |         |  |     |        |    |      |      |  |       |                 |  |            |  |                                                                     |                  |  |            |  |                  |  |              |  |              |  |           |               |  |           |  |              |  |         |                                                            |  |                                                                                                                                  |  |  |  |  |
| D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -----                     | -----                                                                                                                            | 87898-0826          | 87898-0836                            | -----                      | 87898-0856              | 8           | -----                                                               | 6               | 20.32                  | 17.78 | 10.81 | 9.65 | 5.84 |  |  |                                                                                                       |     |             |                 |                                       |   |                 |   |       |              |                        |          |         |  |     |        |    |      |      |  |       |                 |  |            |  |                                                                     |                  |  |            |  |                  |  |              |  |              |  |           |               |  |           |  |              |  |         |                                                            |  |                                                                                                                                  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                           |                                                                                                                                  |                     |                                       |                            |                         |             |                                                                     |                 |                        |       |       |      |      |  |  |                                                                                                       |     |             |                 |                                       |   |                 |   |       |              |                        |          |         |  |     |        |    |      |      |  |       |                 |  |            |  |                                                                     |                  |  |            |  |                  |  |              |  |              |  |           |               |  |           |  |              |  |         |                                                            |  |                                                                                                                                  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                           |                                                                                                                                  |                     |                                       |                            |                         |             |                                                                     |                 |                        |       |       |      |      |  |  |                                                                                                       |     |             |                 |                                       |   |                 |   |       |              |                        |          |         |  |     |        |    |      |      |  |       |                 |  |            |  |                                                                     |                  |  |            |  |                  |  |              |  |              |  |           |               |  |           |  |              |  |         |                                                            |  |                                                                                                                                  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -----                     | -----                                                                                                                            | 87898-0921          | 87898-0931                            | -----                      | 87898-0951              | 9           | -----                                                               | 1               | 22.86                  | 20.32 | 10.81 | 9.65 | 5.84 |  |  |                                                                                                       |     |             |                 |                                       |   |                 |   |       |              |                        |          |         |  |     |        |    |      |      |  |       |                 |  |            |  |                                                                     |                  |  |            |  |                  |  |              |  |              |  |           |               |  |           |  |              |  |         |                                                            |  |                                                                                                                                  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -----                     | -----                                                                                                                            | 87898-0922          | 87898-0932                            | -----                      | 87898-0952              | 9           | -----                                                               | 2               | 22.86                  | 20.32 | 10.81 | 9.65 | 5.84 |  |  |                                                                                                       |     |             |                 |                                       |   |                 |   |       |              |                        |          |         |  |     |        |    |      |      |  |       |                 |  |            |  |                                                                     |                  |  |            |  |                  |  |              |  |              |  |           |               |  |           |  |              |  |         |                                                            |  |                                                                                                                                  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -----                     | -----                                                                                                                            | 87898-0924          | 87898-0934                            | -----                      | 87898-0954              | 9           | -----                                                               | 4               | 22.86                  | 20.32 | 10.81 | 9.65 | 5.84 |  |  |                                                                                                       |     |             |                 |                                       |   |                 |   |       |              |                        |          |         |  |     |        |    |      |      |  |       |                 |  |            |  |                                                                     |                  |  |            |  |                  |  |              |  |              |  |           |               |  |           |  |              |  |         |                                                            |  |                                                                                                                                  |  |  |  |  |
| C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -----                     | -----                                                                                                                            | 87898-0925          | 87898-0935                            | -----                      | 87898-0955              | 9           | -----                                                               | 5               | 22.86                  | 20.32 | 10.81 | 9.65 | 5.84 |  |  |                                                                                                       |     |             |                 |                                       |   |                 |   |       |              |                        |          |         |  |     |        |    |      |      |  |       |                 |  |            |  |                                                                     |                  |  |            |  |                  |  |              |  |              |  |           |               |  |           |  |              |  |         |                                                            |  |                                                                                                                                  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -----                     | -----                                                                                                                            | 87898-0926          | 87898-0936                            | -----                      | 87898-0956              | 9           | -----                                                               | 6               | 22.86                  | 20.32 | 10.81 | 9.65 | 5.84 |  |  |                                                                                                       |     |             |                 |                                       |   |                 |   |       |              |                        |          |         |  |     |        |    |      |      |  |       |                 |  |            |  |                                                                     |                  |  |            |  |                  |  |              |  |              |  |           |               |  |           |  |              |  |         |                                                            |  |                                                                                                                                  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                           |                                                                                                                                  |                     |                                       |                            |                         |             |                                                                     |                 |                        |       |       |      |      |  |  |                                                                                                       |     |             |                 |                                       |   |                 |   |       |              |                        |          |         |  |     |        |    |      |      |  |       |                 |  |            |  |                                                                     |                  |  |            |  |                  |  |              |  |              |  |           |               |  |           |  |              |  |         |                                                            |  |                                                                                                                                  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                           |                                                                                                                                  |                     |                                       |                            |                         |             |                                                                     |                 |                        |       |       |      |      |  |  |                                                                                                       |     |             |                 |                                       |   |                 |   |       |              |                        |          |         |  |     |        |    |      |      |  |       |                 |  |            |  |                                                                     |                  |  |            |  |                  |  |              |  |              |  |           |               |  |           |  |              |  |         |                                                            |  |                                                                                                                                  |  |  |  |  |
| B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                           |                                                                                                                                  |                     |                                       |                            |                         |             |                                                                     |                 |                        |       |       |      |      |  |  |                                                                                                       |     |             |                 |                                       |   |                 |   |       |              |                        |          |         |  |     |        |    |      |      |  |       |                 |  |            |  |                                                                     |                  |  |            |  |                  |  |              |  |              |  |           |               |  |           |  |              |  |         |                                                            |  |                                                                                                                                  |  |  |  |  |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                           |                                                                                                                                  |                     |                                       |                            |                         |             |                                                                     |                 |                        |       |       |      |      |  |  |                                                                                                       |     |             |                 |                                       |   |                 |   |       |              |                        |          |         |  |     |        |    |      |      |  |       |                 |  |            |  |                                                                     |                  |  |            |  |                  |  |              |  |              |  |           |               |  |           |  |              |  |         |                                                            |  |                                                                                                                                  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                           |                                                                                                                                  |                     |                                       |                            |                         |             |                                                                     |                 |                        |       |       |      |      |  |  |                                                                                                       |     |             |                 |                                       |   |                 |   |       |              |                        |          |         |  |     |        |    |      |      |  |       |                 |  |            |  |                                                                     |                  |  |            |  |                  |  |              |  |              |  |           |               |  |           |  |              |  |         |                                                            |  |                                                                                                                                  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                           |                                                                                                                                  |                     |                                       |                            |                         |             |                                                                     |                 |                        |       |       |      |      |  |  |                                                                                                       |     |             |                 |                                       |   |                 |   |       |              |                        |          |         |  |     |        |    |      |      |  |       |                 |  |            |  |                                                                     |                  |  |            |  |                  |  |              |  |              |  |           |               |  |           |  |              |  |         |                                                            |  |                                                                                                                                  |  |  |  |  |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                           |                                                                                                                                  |                     |                                       |                            |                         |             |                                                                     |                 |                        |       |       |      |      |  |  |                                                                                                       |     |             |                 |                                       |   |                 |   |       |              |                        |          |         |  |     |        |    |      |      |  |       |                 |  |            |  |                                                                     |                  |  |            |  |                  |  |              |  |              |  |           |               |  |           |  |              |  |         |                                                            |  |                                                                                                                                  |  |  |  |  |
| <table><tr><td rowspan="5">SHT2+87898-0315<br/>EC NO.: S2014-0976<br/>DRAWN BY: CHKORANNYONG<br/>CHKORANNYONG<br/>APPR: LBLEE<br/>B12</td><td rowspan="5">REV</td><td rowspan="5">DESCRIPTION</td><td>QUALITY SYMBOLS</td><td colspan="2">GENERAL TOLERANCES (UNLESS SPECIFIED)</td><td colspan="2">DIMENSION STYLE</td><td>SCALE</td><td>DESIGN UNITS</td><td rowspan="5"> THIRD ANGLE PROJECTION</td></tr><tr><td rowspan="4"><br/><br/></td><td colspan="2">MM ONLY</td><td>NTS</td><td>METRIC</td></tr><tr><td>mm</td><td>INCH</td><td colspan="2">DATE</td><td>TITLE</td></tr><tr><td colspan="2">DRAWN BY YLQIAO</td><td colspan="2">2005/03/14</td><td rowspan="2">CUSTOM HEADER<br/>2.54MM PITCH SINGLE ROW<br/>SINGLE WAFER SMT HEADER</td></tr><tr><td colspan="2">CHECKED BY PTLIM</td><td colspan="2">2005/03/29</td></tr><tr><td colspan="2">APPROVED BY DATE</td><td colspan="2">MATERIAL NO.</td><td colspan="2">DOCUMENT NO.</td><td>SHEET NO.</td></tr><tr><td colspan="2">ANGULAR ± 3 °</td><td colspan="2">SEE TABLE</td><td colspan="2">SD-87898-001</td><td>4 OF 20</td></tr><tr><td colspan="2">DRAFT WHERE APPLICABLE<br/>MUST REMAIN<br/>WITHIN DIMENSIONS</td><td colspan="2">THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br/>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</td><td colspan="2"></td><td></td></tr></table> |                           |                                                                                                                                  |                     |                                       |                            |                         |             |                                                                     |                 |                        |       |       |      |      |  |  | SHT2+87898-0315<br>EC NO.: S2014-0976<br>DRAWN BY: CHKORANNYONG<br>CHKORANNYONG<br>APPR: LBLEE<br>B12 | REV | DESCRIPTION | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) |   | DIMENSION STYLE |   | SCALE | DESIGN UNITS | THIRD ANGLE PROJECTION | <br><br> | MM ONLY |  | NTS | METRIC | mm | INCH | DATE |  | TITLE | DRAWN BY YLQIAO |  | 2005/03/14 |  | CUSTOM HEADER<br>2.54MM PITCH SINGLE ROW<br>SINGLE WAFER SMT HEADER | CHECKED BY PTLIM |  | 2005/03/29 |  | APPROVED BY DATE |  | MATERIAL NO. |  | DOCUMENT NO. |  | SHEET NO. | ANGULAR ± 3 ° |  | SEE TABLE |  | SD-87898-001 |  | 4 OF 20 | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |  |  |  |
| SHT2+87898-0315<br>EC NO.: S2014-0976<br>DRAWN BY: CHKORANNYONG<br>CHKORANNYONG<br>APPR: LBLEE<br>B12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | REV                       | DESCRIPTION                                                                                                                      | QUALITY SYMBOLS     | GENERAL TOLERANCES (UNLESS SPECIFIED) |                            | DIMENSION STYLE         |             | SCALE                                                               | DESIGN UNITS    | THIRD ANGLE PROJECTION |       |       |      |      |  |  |                                                                                                       |     |             |                 |                                       |   |                 |   |       |              |                        |          |         |  |     |        |    |      |      |  |       |                 |  |            |  |                                                                     |                  |  |            |  |                  |  |              |  |              |  |           |               |  |           |  |              |  |         |                                                            |  |                                                                                                                                  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                           |                                                                                                                                  | <br><br>            | MM ONLY                               |                            | NTS                     | METRIC      |                                                                     |                 |                        |       |       |      |      |  |  |                                                                                                       |     |             |                 |                                       |   |                 |   |       |              |                        |          |         |  |     |        |    |      |      |  |       |                 |  |            |  |                                                                     |                  |  |            |  |                  |  |              |  |              |  |           |               |  |           |  |              |  |         |                                                            |  |                                                                                                                                  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                           |                                                                                                                                  |                     | mm                                    | INCH                       | DATE                    |             | TITLE                                                               |                 |                        |       |       |      |      |  |  |                                                                                                       |     |             |                 |                                       |   |                 |   |       |              |                        |          |         |  |     |        |    |      |      |  |       |                 |  |            |  |                                                                     |                  |  |            |  |                  |  |              |  |              |  |           |               |  |           |  |              |  |         |                                                            |  |                                                                                                                                  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                           |                                                                                                                                  |                     | DRAWN BY YLQIAO                       |                            | 2005/03/14              |             | CUSTOM HEADER<br>2.54MM PITCH SINGLE ROW<br>SINGLE WAFER SMT HEADER |                 |                        |       |       |      |      |  |  |                                                                                                       |     |             |                 |                                       |   |                 |   |       |              |                        |          |         |  |     |        |    |      |      |  |       |                 |  |            |  |                                                                     |                  |  |            |  |                  |  |              |  |              |  |           |               |  |           |  |              |  |         |                                                            |  |                                                                                                                                  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                           |                                                                                                                                  |                     | CHECKED BY PTLIM                      |                            | 2005/03/29              |             |                                                                     |                 |                        |       |       |      |      |  |  |                                                                                                       |     |             |                 |                                       |   |                 |   |       |              |                        |          |         |  |     |        |    |      |      |  |       |                 |  |            |  |                                                                     |                  |  |            |  |                  |  |              |  |              |  |           |               |  |           |  |              |  |         |                                                            |  |                                                                                                                                  |  |  |  |  |
| APPROVED BY DATE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                           | MATERIAL NO.                                                                                                                     |                     | DOCUMENT NO.                          |                            | SHEET NO.               |             |                                                                     |                 |                        |       |       |      |      |  |  |                                                                                                       |     |             |                 |                                       |   |                 |   |       |              |                        |          |         |  |     |        |    |      |      |  |       |                 |  |            |  |                                                                     |                  |  |            |  |                  |  |              |  |              |  |           |               |  |           |  |              |  |         |                                                            |  |                                                                                                                                  |  |  |  |  |
| ANGULAR ± 3 °                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                           | SEE TABLE                                                                                                                        |                     | SD-87898-001                          |                            | 4 OF 20                 |             |                                                                     |                 |                        |       |       |      |      |  |  |                                                                                                       |     |             |                 |                                       |   |                 |   |       |              |                        |          |         |  |     |        |    |      |      |  |       |                 |  |            |  |                                                                     |                  |  |            |  |                  |  |              |  |              |  |           |               |  |           |  |              |  |         |                                                            |  |                                                                                                                                  |  |  |  |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                           | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                     |                                       |                            |                         |             |                                                                     |                 |                        |       |       |      |      |  |  |                                                                                                       |     |             |                 |                                       |   |                 |   |       |              |                        |          |         |  |     |        |    |      |      |  |       |                 |  |            |  |                                                                     |                  |  |            |  |                  |  |              |  |              |  |           |               |  |           |  |              |  |         |                                                            |  |                                                                                                                                  |  |  |  |  |
| <table><tr><td>tb_frame_A3_P_AM_T<br/>Rev. F. 2009/06/18</td><td>9</td><td>8</td><td>7</td><td>6</td><td>5</td><td>4</td><td>3</td><td>2</td><td>1</td><td></td></tr></table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                           |                                                                                                                                  |                     |                                       |                            |                         |             |                                                                     |                 |                        |       |       |      |      |  |  | tb_frame_A3_P_AM_T<br>Rev. F. 2009/06/18                                                              | 9   | 8           | 7               | 6                                     | 5 | 4               | 3 | 2     | 1            |                        |          |         |  |     |        |    |      |      |  |       |                 |  |            |  |                                                                     |                  |  |            |  |                  |  |              |  |              |  |           |               |  |           |  |              |  |         |                                                            |  |                                                                                                                                  |  |  |  |  |
| tb_frame_A3_P_AM_T<br>Rev. F. 2009/06/18                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 9                         | 8                                                                                                                                | 7                   | 6                                     | 5                          | 4                       | 3           | 2                                                                   | 1               |                        |       |       |      |      |  |  |                                                                                                       |     |             |                 |                                       |   |                 |   |       |              |                        |          |         |  |     |        |    |      |      |  |       |                 |  |            |  |                                                                     |                  |  |            |  |                  |  |              |  |              |  |           |               |  |           |  |              |  |         |                                                            |  |                                                                                                                                  |  |  |  |  |

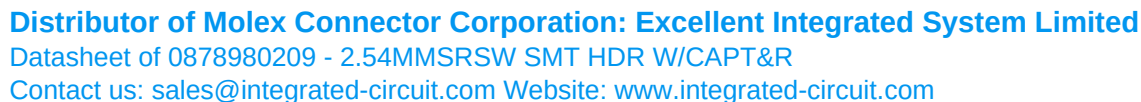
|                           |       |               |       |                  |            |               |            |                         |       |                                                                                                                            |            |               |    |              |   |                                                                                             |       |                                       |      |                                    |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|---------------------------|-------|---------------|-------|------------------|------------|---------------|------------|-------------------------|-------|----------------------------------------------------------------------------------------------------------------------------|------------|---------------|----|--------------|---|---------------------------------------------------------------------------------------------|-------|---------------------------------------|------|------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------|---|--------------------------------------|--|------------------------|--|--------------|--|----------------------|--|
| 10                        |       | 9             |       | 8                |            | 7             |            | 6                       |       | 5                                                                                                                          |            | 4             |    | 3            |   | 2                                                                                           |       | 1                                     |      |                                    |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
| PACKAGING OPTION PART NO. |       |               |       |                  |            |               |            |                         |       | CKT SIZE                                                                                                                   |            | VOID POSITION |    | PLATING TYPE |   | DIMENSION                                                                                   |       |                                       |      |                                    |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
| TRAY WITHOUT CAP          |       | TRAY WITH CAP |       | TUBE WITHOUT CAP |            | TUBE WITH CAP |            | TAPE & REEL WITHOUT CAP |       |                                                                                                                            |            |               |    |              |   | TAPE & REEL WITH CAP                                                                        |       | A                                     | B    | G                                  |  |                                                                                                                               | F | M                                    |  |                        |  |              |  |                      |  |
| F                         | ----- |               | ----- |                  | 87898-1021 |               | 87898-1031 |                         | ----- |                                                                                                                            | 87898-1051 |               | 10 | -----        | 1 | 25.40                                                                                       | 22.86 | 10.81                                 | 9.65 | 5.84                               |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|                           | ----- |               | ----- |                  | 87898-1022 |               | 87898-1032 |                         | ----- |                                                                                                                            | 87898-1052 |               | 10 | -----        | 2 | 25.40                                                                                       | 22.86 | 10.81                                 | 9.65 | 5.84                               |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|                           | ----- |               | ----- |                  | 87898-1024 |               | 87898-1034 |                         | ----- |                                                                                                                            | 87898-1054 |               | 10 | -----        | 4 | 25.40                                                                                       | 22.86 | 10.81                                 | 9.65 | 5.84                               |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|                           | ----- |               | ----- |                  | 87898-1025 |               | 87898-1035 |                         | ----- |                                                                                                                            | 87898-1055 |               | 10 | -----        | 5 | 25.40                                                                                       | 22.86 | 10.81                                 | 9.65 | 5.84                               |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|                           | ----- |               | ----- |                  | 87898-1026 |               | 87898-1036 |                         | ----- |                                                                                                                            | 87898-1056 |               | 10 | -----        | 6 | 25.40                                                                                       | 22.86 | 10.81                                 | 9.65 | 5.84                               |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|                           |       |               |       |                  |            |               |            |                         |       |                                                                                                                            |            |               |    |              |   |                                                                                             |       |                                       |      |                                    |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
| E                         |       |               |       |                  |            |               |            |                         |       |                                                                                                                            |            |               |    |              |   |                                                                                             |       |                                       |      |                                    |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|                           | ----- |               | ----- |                  | 87898-1121 |               | 87898-1131 |                         | ----- |                                                                                                                            | 87898-1151 |               | 11 | -----        | 1 | 27.94                                                                                       | 25.40 | 10.81                                 | 9.65 | 5.84                               |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|                           | ----- |               | ----- |                  | 87898-1122 |               | 87898-1132 |                         | ----- |                                                                                                                            | 87898-1152 |               | 11 | -----        | 2 | 27.94                                                                                       | 25.40 | 10.81                                 | 9.65 | 5.84                               |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|                           | ----- |               | ----- |                  | 87898-1124 |               | 87898-1134 |                         | ----- |                                                                                                                            | 87898-1154 |               | 11 | -----        | 4 | 27.94                                                                                       | 25.40 | 10.81                                 | 9.65 | 5.84                               |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|                           | ----- |               | ----- |                  | 87898-1125 |               | 87898-1135 |                         | ----- |                                                                                                                            | 87898-1155 |               | 11 | -----        | 5 | 27.94                                                                                       | 25.40 | 10.81                                 | 9.65 | 5.84                               |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|                           | ----- |               | ----- |                  | 87898-1126 |               | 87898-1136 |                         | ----- |                                                                                                                            | 87898-1156 |               | 11 | -----        | 6 | 27.94                                                                                       | 25.40 | 10.81                                 | 9.65 | 5.84                               |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
| D                         |       |               |       |                  |            |               |            |                         |       |                                                                                                                            |            |               |    |              |   |                                                                                             |       |                                       |      |                                    |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|                           | ----- |               | ----- |                  | 87898-1221 |               | 87898-1231 |                         | ----- |                                                                                                                            | 87898-1251 |               | 12 | -----        | 1 | 30.48                                                                                       | 27.94 | 10.81                                 | 9.65 | 5.84                               |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|                           | ----- |               | ----- |                  | 87898-1222 |               | 87898-1232 |                         | ----- |                                                                                                                            | 87898-1252 |               | 12 | -----        | 2 | 30.48                                                                                       | 27.94 | 10.81                                 | 9.65 | 5.84                               |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|                           | ----- |               | ----- |                  | 87898-1224 |               | 87898-1234 |                         | ----- |                                                                                                                            | 87898-1254 |               | 12 | -----        | 4 | 30.48                                                                                       | 27.94 | 10.81                                 | 9.65 | 5.84                               |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|                           | ----- |               | ----- |                  | 87898-1225 |               | 87898-1235 |                         | ----- |                                                                                                                            | 87898-1255 |               | 12 | -----        | 5 | 30.48                                                                                       | 27.94 | 10.81                                 | 9.65 | 5.84                               |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|                           | ----- |               | ----- |                  | 87898-1226 |               | 87898-1236 |                         | ----- |                                                                                                                            | 87898-1256 |               | 12 | -----        | 6 | 30.48                                                                                       | 27.94 | 10.81                                 | 9.65 | 5.84                               |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
| C                         |       |               |       |                  |            |               |            |                         |       |                                                                                                                            |            |               |    |              |   |                                                                                             |       |                                       |      |                                    |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|                           |       |               |       |                  |            |               |            |                         |       |                                                                                                                            |            |               |    |              |   |                                                                                             |       |                                       |      |                                    |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|                           |       |               |       |                  |            |               |            |                         |       |                                                                                                                            |            |               |    |              |   |                                                                                             |       |                                       |      |                                    |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
| B                         |       |               |       |                  |            |               |            |                         |       |                                                                                                                            |            |               |    |              |   |                                                                                             |       |                                       |      |                                    |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|                           |       |               |       |                  |            |               |            |                         |       |                                                                                                                            |            |               |    |              |   |                                                                                             |       |                                       |      |                                    |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|                           |       |               |       |                  |            |               |            |                         |       |                                                                                                                            |            |               |    |              |   |                                                                                             |       |                                       |      |                                    |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
| A                         |       |               |       |                  |            |               |            |                         |       |                                                                                                                            |            |               |    |              |   |                                                                                             |       |                                       |      |                                    |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|                           |       |               |       |                  |            |               |            |                         |       |                                                                                                                            |            |               |    |              |   |                                                                                             |       |                                       |      |                                    |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|                           |       |               |       |                  |            |               |            |                         |       |                                                                                                                            |            |               |    |              |   |                                                                                             |       |                                       |      |                                    |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|                           |       |               |       |                  |            |               |            |                         |       | SHT2-87898-0315<br>IEC NO: SZ014-0976<br>2010/04/14<br>DR:WATSEE<br>CHK:DFANNWONG<br>2010/04/14<br>APPR:BLEE<br>2010/09/11 |            | REV           |    | DESCRIPTION  |   | QUALITY SYMBOLS                                                                             |       | GENERAL TOLERANCES (UNLESS SPECIFIED) |      | DIMENSION STYLE<br>MM ONLY         |  | SCALE<br>NTS                                                                                                                  |   | DESIGN UNITS<br>METRIC               |  | THIRD ANGLE PROJECTION |  |              |  |                      |  |
|                           |       |               |       |                  |            |               |            |                         |       | B12                                                                                                                        |            |               |    |              |   | 4 PLACES ± --- ± ---<br>3 PLACES ± --- ± ---<br>2 PLACES ± 0.2 ± ---<br>1 PLACE ± --- ± --- |       | mm INCH                               |      | DRAWN BY DATE<br>YLQ1A0 2005/03/14 |  | CHECKED BY DATE<br>PTL IM 2005/03/29                                                                                          |   | APPROVED BY DATE<br>MLONG 2010/10/04 |  | MATERIAL NO.           |  | DOCUMENT NO. |  | SHEET NO.<br>5 OF 20 |  |
|                           |       |               |       |                  |            |               |            |                         |       |                                                                                                                            |            |               |    |              |   | ANGULAR ± 3 °                                                                               |       |                                       |      | SEE TABLE                          |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |   |                                      |  |                        |  |              |  |                      |  |
|                           |       |               |       |                  |            |               |            |                         |       |                                                                                                                            |            |               |    |              |   | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                  |       |                                       |      |                                    |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|                           |       |               |       |                  |            |               |            |                         |       |                                                                                                                            |            |               |    |              |   |                                                                                             |       |                                       |      |                                    |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|                           |       |               |       |                  |            |               |            |                         |       |                                                                                                                            |            |               |    |              |   |                                                                                             |       |                                       |      |                                    |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|                           |       |               |       |                  |            |               |            |                         |       |                                                                                                                            |            |               |    |              |   |                                                                                             |       |                                       |      |                                    |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|                           |       |               |       |                  |            |               |            |                         |       |                                                                                                                            |            |               |    |              |   |                                                                                             |       |                                       |      |                                    |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|                           |       |               |       |                  |            |               |            |                         |       |                                                                                                                            |            |               |    |              |   |                                                                                             |       |                                       |      |                                    |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|                           |       |               |       |                  |            |               |            |                         |       |                                                                                                                            |            |               |    |              |   |                                                                                             |       |                                       |      |                                    |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|                           |       |               |       |                  |            |               |            |                         |       |                                                                                                                            |            |               |    |              |   |                                                                                             |       |                                       |      |                                    |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|                           |       |               |       |                  |            |               |            |                         |       |                                                                                                                            |            |               |    |              |   |                                                                                             |       |                                       |      |                                    |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|                           |       |               |       |                  |            |               |            |                         |       |                                                                                                                            |            |               |    |              |   |                                                                                             |       |                                       |      |                                    |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|                           |       |               |       |                  |            |               |            |                         |       |                                                                                                                            |            |               |    |              |   |                                                                                             |       |                                       |      |                                    |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|                           |       |               |       |                  |            |               |            |                         |       |                                                                                                                            |            |               |    |              |   |                                                                                             |       |                                       |      |                                    |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|                           |       |               |       |                  |            |               |            |                         |       |                                                                                                                            |            |               |    |              |   |                                                                                             |       |                                       |      |                                    |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|                           |       |               |       |                  |            |               |            |                         |       |                                                                                                                            |            |               |    |              |   |                                                                                             |       |                                       |      |                                    |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|                           |       |               |       |                  |            |               |            |                         |       |                                                                                                                            |            |               |    |              |   |                                                                                             |       |                                       |      |                                    |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|                           |       |               |       |                  |            |               |            |                         |       |                                                                                                                            |            |               |    |              |   |                                                                                             |       |                                       |      |                                    |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|                           |       |               |       |                  |            |               |            |                         |       |                                                                                                                            |            |               |    |              |   |                                                                                             |       |                                       |      |                                    |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|                           |       |               |       |                  |            |               |            |                         |       |                                                                                                                            |            |               |    |              |   |                                                                                             |       |                                       |      |                                    |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|                           |       |               |       |                  |            |               |            |                         |       |                                                                                                                            |            |               |    |              |   |                                                                                             |       |                                       |      |                                    |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|                           |       |               |       |                  |            |               |            |                         |       |                                                                                                                            |            |               |    |              |   |                                                                                             |       |                                       |      |                                    |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|                           |       |               |       |                  |            |               |            |                         |       |                                                                                                                            |            |               |    |              |   |                                                                                             |       |                                       |      |                                    |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|                           |       |               |       |                  |            |               |            |                         |       |                                                                                                                            |            |               |    |              |   |                                                                                             |       |                                       |      |                                    |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|                           |       |               |       |                  |            |               |            |                         |       |                                                                                                                            |            |               |    |              |   |                                                                                             |       |                                       |      |                                    |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|                           |       |               |       |                  |            |               |            |                         |       |                                                                                                                            |            |               |    |              |   |                                                                                             |       |                                       |      |                                    |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|                           |       |               |       |                  |            |               |            |                         |       |                                                                                                                            |            |               |    |              |   |                                                                                             |       |                                       |      |                                    |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|                           |       |               |       |                  |            |               |            |                         |       |                                                                                                                            |            |               |    |              |   |                                                                                             |       |                                       |      |                                    |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|                           |       |               |       |                  |            |               |            |                         |       |                                                                                                                            |            |               |    |              |   |                                                                                             |       |                                       |      |                                    |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|                           |       |               |       |                  |            |               |            |                         |       |                                                                                                                            |            |               |    |              |   |                                                                                             |       |                                       |      |                                    |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|                           |       |               |       |                  |            |               |            |                         |       |                                                                                                                            |            |               |    |              |   |                                                                                             |       |                                       |      |                                    |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|                           |       |               |       |                  |            |               |            |                         |       |                                                                                                                            |            |               |    |              |   |                                                                                             |       |                                       |      |                                    |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|                           |       |               |       |                  |            |               |            |                         |       |                                                                                                                            |            |               |    |              |   |                                                                                             |       |                                       |      |                                    |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|                           |       |               |       |                  |            |               |            |                         |       |                                                                                                                            |            |               |    |              |   |                                                                                             |       |                                       |      |                                    |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |
|                           |       |               |       |                  |            |               |            |                         |       |                                                                                                                            |            |               |    |              |   |                                                                                             |       |                                       |      |                                    |  |                                                                                                                               |   |                                      |  |                        |  |              |  |                      |  |



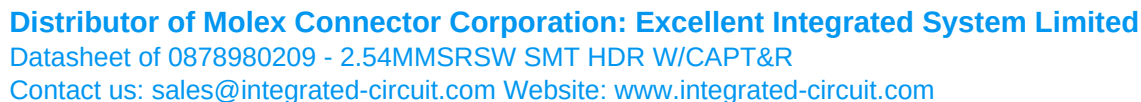
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|---|---------------------------|------------------|---------------------|------------------|----------------------------|-------------------------|-------------|------------------|-----------------|-----------|-------|-------|------|------|--|--|--|--|
|   | 10                        | 9                | 8                   | 7                | 6                          | 5                       | 4           | 3                | 2               | 1         |       |       |      |      |  |  |  |  |
| F | PACKAGING OPTION PART NO. |                  |                     |                  |                            |                         | CKT<br>SIZE | VOID<br>POSITION | PLATING<br>TYPE | DIMENSION |       |       |      |      |  |  |  |  |
|   | TRAY<br>WITHOUT CAP       | TRAY<br>WITH CAP | TUBE<br>WITHOUT CAP | TUBE<br>WITH CAP | TAPE & REEL<br>WITHOUT CAP | TAPE & REEL<br>WITH CAP |             |                  |                 | A         | B     | G     | F    | M    |  |  |  |  |
|   | -----                     | -----            | 87898-1621          | 87898-1631       | -----                      | 87898-1651              | 16          | -----            | 1               | 40.64     | 38.10 | 10.81 | 9.65 | 5.84 |  |  |  |  |
|   | -----                     | -----            | 87898-1622          | 87898-1632       | -----                      | 87898-1652              | 16          | -----            | 2               | 40.64     | 38.10 | 10.81 | 9.65 | 5.84 |  |  |  |  |
|   | -----                     | -----            | 87898-1624          | 87898-1634       | -----                      | 87898-1654              | 16          | -----            | 4               | 40.64     | 38.10 | 10.81 | 9.65 | 5.84 |  |  |  |  |
|   | -----                     | -----            | 87898-1625          | 87898-1635       | -----                      | 87898-1655              | 16          | -----            | 5               | 40.64     | 38.10 | 10.81 | 9.65 | 5.84 |  |  |  |  |
| E | -----                     | -----            | 87898-1626          | 87898-1636       | -----                      | 87898-1656              | 16          | -----            | 6               | 40.64     | 38.10 | 10.81 | 9.65 | 5.84 |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   | -----                     | -----            | 87898-1721          | 87898-1731       | -----                      | 87898-1751              | 17          | -----            | 1               | 43.18     | 40.64 | 10.81 | 9.65 | 5.84 |  |  |  |  |
| D | -----                     | -----            | 87898-1722          | 87898-1732       | -----                      | 87898-1752              | 17          | -----            | 2               | 43.18     | 40.64 | 10.81 | 9.65 | 5.84 |  |  |  |  |
|   | -----                     | -----            | 87898-1724          | 87898-1734       | -----                      | 87898-1754              | 17          | -----            | 4               | 43.18     | 40.64 | 10.81 | 9.65 | 5.84 |  |  |  |  |
|   | -----                     | -----            | 87898-1725          | 87898-1735       | -----                      | 87898-1755              | 17          | -----            | 5               | 43.18     | 40.64 | 10.81 | 9.65 | 5.84 |  |  |  |  |
|   | -----                     | -----            | 87898-1726          | 87898-1736       | -----                      | 87898-1756              | 17          | -----            | 6               | 43.18     | 40.64 | 10.81 | 9.65 | 5.84 |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
| C | -----                     | -----            | 87898-1821          | 87898-1831       | -----                      | 87898-1851              | 18          | -----            | 1               | 45.72     | 43.18 | 10.81 | 9.65 | 5.84 |  |  |  |  |
|   | -----                     | -----            | 87898-1822          | 87898-1832       | -----                      | 87898-1852              | 18          | -----            | 2               | 45.72     | 43.18 | 10.81 | 9.65 | 5.84 |  |  |  |  |
|   | -----                     | -----            | 87898-1824          | 87898-1834       | -----                      | 87898-1854              | 18          | -----            | 4               | 45.72     | 43.18 | 10.81 | 9.65 | 5.84 |  |  |  |  |
|   | -----                     | -----            | 87898-1825          | 87898-1835       | -----                      | 87898-1855              | 18          | -----            | 5               | 45.72     | 43.18 | 10.81 | 9.65 | 5.84 |  |  |  |  |
|   | -----                     | -----            | 87898-1826          | 87898-1836       | -----                      | 87898-1856              | 18          | -----            | 6               | 45.72     | 43.18 | 10.81 | 9.65 | 5.84 |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
| B |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
| A |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |  |  |



|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |
|---|---------------------------|------------------|---------------------|------------------|----------------------------|-------------------------|-------------|------------------|-----------------|-----------|-------|-------|------|------|--|
|   | 10                        | 9                | 8                   | 7                | 6                          | 5                       | 4           | 3                | 2               | 1         |       |       |      |      |  |
| F | PACKAGING OPTION PART NO. |                  |                     |                  |                            |                         | CKT<br>SIZE | VOID<br>POSITION | PLATING<br>TYPE | DIMENSION |       |       |      |      |  |
|   | TRAY<br>WITHOUT CAP       | TRAY<br>WITH CAP | TUBE<br>WITHOUT CAP | TUBE<br>WITH CAP | TAPE & REEL<br>WITHOUT CAP | TAPE & REEL<br>WITH CAP |             |                  |                 | A         | B     | G     | F    | M    |  |
|   | -----                     | -----            | 87898-1921          | 87898-1931       | -----                      | 87898-1951              | 19          | -----            | 1               | 48.26     | 45.72 | 10.81 | 9.65 | 5.84 |  |
|   | -----                     | -----            | 87898-1922          | 87898-1932       | -----                      | 87898-1952              | 19          | -----            | 2               | 48.26     | 45.72 | 10.81 | 9.65 | 5.84 |  |
|   | -----                     | -----            | 87898-1924          | 87898-1934       | -----                      | 87898-1954              | 19          | -----            | 4               | 48.26     | 45.72 | 10.81 | 9.65 | 5.84 |  |
|   | -----                     | -----            | 87898-1925          | 87898-1935       | -----                      | 87898-1955              | 19          | -----            | 5               | 48.26     | 45.72 | 10.81 | 9.65 | 5.84 |  |
|   | -----                     | -----            | 87898-1926          | 87898-1936       | -----                      | 87898-1956              | 19          | -----            | 6               | 48.26     | 45.72 | 10.81 | 9.65 | 5.84 |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |
| E |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |
|   | -----                     | -----            | 87898-2021          | 87898-2031       | -----                      | 87898-2051              | 20          | -----            | 1               | 50.80     | 48.26 | 10.81 | 9.65 | 5.84 |  |
|   | -----                     | -----            | 87898-2022          | 87898-2032       | -----                      | 87898-2052              | 20          | -----            | 2               | 50.80     | 48.26 | 10.81 | 9.65 | 5.84 |  |
| D | -----                     | -----            | 87898-2024          | 87898-2034       | -----                      | 87898-2054              | 20          | -----            | 4               | 50.80     | 48.26 | 10.81 | 9.65 | 5.84 |  |
|   | -----                     | -----            | 87898-2025          | 87898-2035       | -----                      | 87898-2055              | 20          | -----            | 5               | 50.80     | 48.26 | 10.81 | 9.65 | 5.84 |  |
|   | -----                     | -----            | 87898-2026          | 87898-2036       | -----                      | 87898-2056              | 20          | -----            | 6               | 50.80     | 48.26 | 10.81 | 9.65 | 5.84 |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |
| C | -----                     | -----            | 87898-2121          | 87898-2131       | -----                      | 87898-2151              | 21          | -----            | 1               | 53.34     | 50.80 | 10.81 | 9.65 | 5.84 |  |
|   | -----                     | -----            | 87898-2122          | 87898-2132       | -----                      | 87898-2152              | 21          | -----            | 2               | 53.34     | 50.80 | 10.81 | 9.65 | 5.84 |  |
|   | -----                     | -----            | 87898-2124          | 87898-2134       | -----                      | 87898-2154              | 21          | -----            | 4               | 53.34     | 50.80 | 10.81 | 9.65 | 5.84 |  |
|   | -----                     | -----            | 87898-2125          | 87898-2135       | -----                      | 87898-2155              | 21          | -----            | 5               | 53.34     | 50.80 | 10.81 | 9.65 | 5.84 |  |
|   | -----                     | -----            | 87898-2126          | 87898-2136       | -----                      | 87898-2156              | 21          | -----            | 6               | 53.34     | 50.80 | 10.81 | 9.65 | 5.84 |  |
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|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |



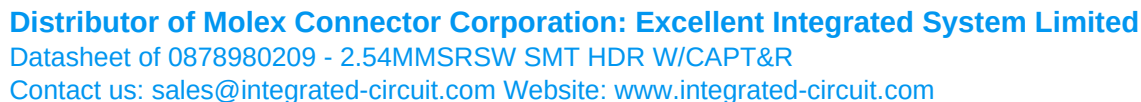
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |                                                                                 |       |                                        |      |                 |                        |                                       |  |                            |  |              |  |                        |  |                           |  |
|---|---------------------------|------------------|---------------------|------------------|----------------------------|-------------------------|-------------|------------------|-----------------|-----------|---------------------------------------------------------------------------------|-------|----------------------------------------|------|-----------------|------------------------|---------------------------------------|--|----------------------------|--|--------------|--|------------------------|--|---------------------------|--|
|   | 10                        | 9                | 8                   | 7                | 6                          | 5                       | 4           | 3                | 2               | 1         |                                                                                 |       |                                        |      |                 |                        |                                       |  |                            |  |              |  |                        |  |                           |  |
| F | PACKAGING OPTION PART NO. |                  |                     |                  |                            |                         | CKT<br>SIZE | VOID<br>POSITION | PLATING<br>TYPE | DIMENSION |                                                                                 |       |                                        |      |                 |                        |                                       |  |                            |  |              |  |                        |  |                           |  |
|   | TRAY<br>WITHOUT CAP       | TRAY<br>WITH CAP | TUBE<br>WITHOUT CAP | TUBE<br>WITH CAP | TAPE & REEL<br>WITHOUT CAP | TAPE & REEL<br>WITH CAP |             |                  |                 | A         | B                                                                               | G     | F                                      | M    |                 |                        |                                       |  |                            |  |              |  |                        |  |                           |  |
|   | -----                     | -----            | 87898-2221          | 87898-2231       | -----                      | -----                   | 22          | ----             | 1               | 55.88     | 53.34                                                                           | 10.81 | 9.65                                   | 5.84 |                 |                        |                                       |  |                            |  |              |  |                        |  |                           |  |
|   | -----                     | -----            | 87898-2222          | 87898-2232       | -----                      | -----                   | 22          | ----             | 2               | 55.88     | 53.34                                                                           | 10.81 | 9.65                                   | 5.84 |                 |                        |                                       |  |                            |  |              |  |                        |  |                           |  |
|   | -----                     | -----            | 87898-2224          | 87898-2234       | -----                      | -----                   | 22          | ----             | 4               | 55.88     | 53.34                                                                           | 10.81 | 9.65                                   | 5.84 |                 |                        |                                       |  |                            |  |              |  |                        |  |                           |  |
|   | -----                     | -----            | 87898-2225          | 87898-2235       | -----                      | -----                   | 22          | ----             | 5               | 55.88     | 53.34                                                                           | 10.81 | 9.65                                   | 5.84 |                 |                        |                                       |  |                            |  |              |  |                        |  |                           |  |
|   | -----                     | -----            | 87898-2226          | 87898-2236       | -----                      | -----                   | 22          | ----             | 6               | 55.88     | 53.34                                                                           | 10.81 | 9.65                                   | 5.84 |                 |                        |                                       |  |                            |  |              |  |                        |  |                           |  |
| E |                           |                  |                     |                  |                            |                         |             |                  |                 |           |                                                                                 |       |                                        |      |                 |                        |                                       |  |                            |  |              |  |                        |  |                           |  |
|   | -----                     | -----            | 87898-2321          | 87898-2331       | -----                      | -----                   | 23          | ----             | 1               | 58.42     | 55.88                                                                           | 10.81 | 9.65                                   | 5.84 |                 |                        |                                       |  |                            |  |              |  |                        |  |                           |  |
|   | -----                     | -----            | 87898-2322          | 87898-2332       | -----                      | -----                   | 23          | ----             | 2               | 58.42     | 55.88                                                                           | 10.81 | 9.65                                   | 5.84 |                 |                        |                                       |  |                            |  |              |  |                        |  |                           |  |
| D | -----                     | -----            | 87898-2324          | 87898-2334       | -----                      | -----                   | 23          | ----             | 4               | 58.42     | 55.88                                                                           | 10.81 | 9.65                                   | 5.84 |                 |                        |                                       |  |                            |  |              |  |                        |  |                           |  |
|   | -----                     | -----            | 87898-2325          | 87898-2335       | -----                      | -----                   | 23          | ----             | 5               | 58.42     | 55.88                                                                           | 10.81 | 9.65                                   | 5.84 |                 |                        |                                       |  |                            |  |              |  |                        |  |                           |  |
|   | -----                     | -----            | 87898-2326          | 87898-2336       | -----                      | -----                   | 23          | ----             | 6               | 58.42     | 55.88                                                                           | 10.81 | 9.65                                   | 5.84 |                 |                        |                                       |  |                            |  |              |  |                        |  |                           |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |                                                                                 |       |                                        |      |                 |                        |                                       |  |                            |  |              |  |                        |  |                           |  |
|   | -----                     | -----            | 87898-2421          | 87898-2431       | -----                      | -----                   | 24          | ----             | 1               | 60.96     | 58.42                                                                           | 10.81 | 9.65                                   | 5.84 |                 |                        |                                       |  |                            |  |              |  |                        |  |                           |  |
|   | -----                     | -----            | 87898-2422          | 87898-2432       | -----                      | -----                   | 24          | ----             | 2               | 60.96     | 58.42                                                                           | 10.81 | 9.65                                   | 5.84 |                 |                        |                                       |  |                            |  |              |  |                        |  |                           |  |
| C | -----                     | -----            | 87898-2424          | 87898-2434       | -----                      | -----                   | 24          | ----             | 4               | 60.96     | 58.42                                                                           | 10.81 | 9.65                                   | 5.84 |                 |                        |                                       |  |                            |  |              |  |                        |  |                           |  |
|   | -----                     | -----            | 87898-2425          | 87898-2435       | -----                      | -----                   | 24          | ----             | 5               | 60.96     | 58.42                                                                           | 10.81 | 9.65                                   | 5.84 |                 |                        |                                       |  |                            |  |              |  |                        |  |                           |  |
|   | -----                     | -----            | 87898-2426          | 87898-2436       | -----                      | -----                   | 24          | ----             | 6               | 60.96     | 58.42                                                                           | 10.81 | 9.65                                   | 5.84 |                 |                        |                                       |  |                            |  |              |  |                        |  |                           |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |                                                                                 |       |                                        |      |                 |                        |                                       |  |                            |  |              |  |                        |  |                           |  |
| B |                           |                  |                     |                  |                            |                         |             |                  |                 |           |                                                                                 |       |                                        |      |                 |                        |                                       |  |                            |  |              |  |                        |  |                           |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |                                                                                 |       |                                        |      |                 |                        |                                       |  |                            |  |              |  |                        |  |                           |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |                                                                                 |       |                                        |      |                 |                        |                                       |  |                            |  |              |  |                        |  |                           |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |                                                                                 |       |                                        |      |                 |                        |                                       |  |                            |  |              |  |                        |  |                           |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |                                                                                 |       |                                        |      |                 |                        |                                       |  |                            |  |              |  |                        |  |                           |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |                                                                                 |       |                                        |      |                 |                        |                                       |  |                            |  |              |  |                        |  |                           |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |                                                                                 |       |                                        |      |                 |                        |                                       |  |                            |  |              |  |                        |  |                           |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |                                                                                 |       |                                        |      |                 |                        |                                       |  |                            |  |              |  |                        |  |                           |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |                                                                                 |       |                                        |      |                 |                        |                                       |  |                            |  |              |  |                        |  |                           |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |                                                                                 |       |                                        |      |                 |                        |                                       |  |                            |  |              |  |                        |  |                           |  |
| A |                           |                  |                     |                  |                            |                         | REV         | DESCRIPTION      | QUALITY SYMBOLS |           | GENERAL TOLERANCES (UNLESS SPECIFIED)                                           |       | DIMENSION STYLE<br>MM ONLY             |      | SCALE<br>NTS    | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION             |  |                            |  |              |  |                        |  |                           |  |
|   |                           |                  |                     |                  |                            |                         | REV         | DESCRIPTION      | QUALITY SYMBOLS |           | GENERAL TOLERANCES (UNLESS SPECIFIED)                                           |       | DIMENSION STYLE<br>MM ONLY             |      | SCALE<br>NTS    | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION             |  |                            |  |              |  |                        |  |                           |  |
|   |                           |                  |                     |                  |                            |                         | REV         | DESCRIPTION      | QUALITY SYMBOLS |           | GENERAL TOLERANCES (UNLESS SPECIFIED)                                           |       | DIMENSION STYLE<br>MM ONLY             |      | SCALE<br>NTS    | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION             |  |                            |  |              |  |                        |  |                           |  |
|   |                           |                  |                     |                  |                            |                         | REV         | DESCRIPTION      | QUALITY SYMBOLS |           | GENERAL TOLERANCES (UNLESS SPECIFIED)                                           |       | DIMENSION STYLE<br>MM ONLY             |      | SCALE<br>NTS    | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION             |  |                            |  |              |  |                        |  |                           |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | SHT2-87898-0315<br>EC NO: S2014-0976<br>DRAWN:SEE<br>CHK:CHANYWONG<br>APPR:BLEE |       | 2011/04/14<br>2014/04/14<br>2011/09/11 |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           | B12                                                                             |       | DESCRIPTION                            |      | QUALITY SYMBOLS |                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  |              |  |                        |  |                           |  |



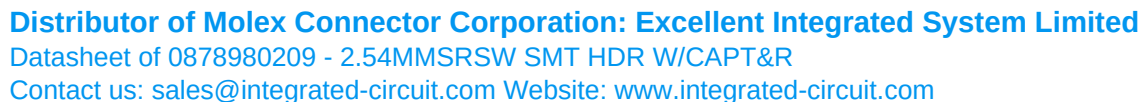
|                                          |                           |                  |                     |                  |                            |                         |             |                  |                 |           |                                                                                                             |       |            |                                         |                                                                                                                                                                                                                                   |                                                                                                                                                                                       |                                                                                                                                                                                                           |                                                                                                                                  |   |
|------------------------------------------|---------------------------|------------------|---------------------|------------------|----------------------------|-------------------------|-------------|------------------|-----------------|-----------|-------------------------------------------------------------------------------------------------------------|-------|------------|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|---|
|                                          | 10                        | 9                | 8                   | 7                | 6                          | 5                       | 4           | 3                | 2               | 1         |                                                                                                             |       |            |                                         |                                                                                                                                                                                                                                   |                                                                                                                                                                                       |                                                                                                                                                                                                           |                                                                                                                                  |   |
| F                                        | PACKAGING OPTION PART NO. |                  |                     |                  |                            |                         | CKT<br>SIZE | VOID<br>POSITION | PLATING<br>TYPE | DIMENSION |                                                                                                             |       |            |                                         |                                                                                                                                                                                                                                   |                                                                                                                                                                                       |                                                                                                                                                                                                           |                                                                                                                                  |   |
|                                          | TRAY<br>WITHOUT CAP       | TRAY<br>WITH CAP | TUBE<br>WITHOUT CAP | TUBE<br>WITH CAP | TAPE & REEL<br>WITHOUT CAP | TAPE & REEL<br>WITH CAP |             |                  |                 | A         | B                                                                                                           | G     | F          | M                                       |                                                                                                                                                                                                                                   |                                                                                                                                                                                       |                                                                                                                                                                                                           |                                                                                                                                  |   |
|                                          | -----                     | -----            | 87898-2521          | 87898-2531       | -----                      | -----                   | 25          | -----            | 1               | 63.50     | 60.96                                                                                                       | 10.81 | 9.65       | 5.84                                    |                                                                                                                                                                                                                                   |                                                                                                                                                                                       |                                                                                                                                                                                                           |                                                                                                                                  |   |
|                                          | -----                     | -----            | 87898-2522          | 87898-2532       | -----                      | -----                   | 25          | -----            | 2               | 63.50     | 60.96                                                                                                       | 10.81 | 9.65       | 5.84                                    |                                                                                                                                                                                                                                   |                                                                                                                                                                                       |                                                                                                                                                                                                           |                                                                                                                                  |   |
|                                          | -----                     | -----            | 87898-2524          | 87898-2534       | -----                      | -----                   | 25          | -----            | 4               | 63.50     | 60.96                                                                                                       | 10.81 | 9.65       | 5.84                                    |                                                                                                                                                                                                                                   |                                                                                                                                                                                       |                                                                                                                                                                                                           |                                                                                                                                  |   |
|                                          | -----                     | -----            | 87898-2525          | 87898-2535       | -----                      | -----                   | 25          | -----            | 5               | 63.50     | 60.96                                                                                                       | 10.81 | 9.65       | 5.84                                    |                                                                                                                                                                                                                                   |                                                                                                                                                                                       |                                                                                                                                                                                                           |                                                                                                                                  |   |
| E                                        | -----                     | -----            | 87898-2526          | 87898-2536       | -----                      | -----                   | 25          | -----            | 6               | 63.50     | 60.96                                                                                                       | 10.81 | 9.65       | 5.84                                    |                                                                                                                                                                                                                                   |                                                                                                                                                                                       |                                                                                                                                                                                                           |                                                                                                                                  |   |
|                                          |                           |                  |                     |                  |                            |                         |             |                  |                 |           |                                                                                                             |       |            |                                         |                                                                                                                                                                                                                                   |                                                                                                                                                                                       |                                                                                                                                                                                                           |                                                                                                                                  |   |
|                                          | -----                     | -----            | 87898-2621          | 87898-2631       | -----                      | -----                   | 26          | -----            | 1               | 66.04     | 63.50                                                                                                       | 10.81 | 9.65       | 5.84                                    |                                                                                                                                                                                                                                   |                                                                                                                                                                                       |                                                                                                                                                                                                           |                                                                                                                                  |   |
|                                          | -----                     | -----            | 87898-2622          | 87898-2632       | -----                      | -----                   | 26          | -----            | 2               | 66.04     | 63.50                                                                                                       | 10.81 | 9.65       | 5.84                                    |                                                                                                                                                                                                                                   |                                                                                                                                                                                       |                                                                                                                                                                                                           |                                                                                                                                  |   |
| D                                        | -----                     | -----            | 87898-2624          | 87898-2634       | -----                      | -----                   | 26          | -----            | 4               | 66.04     | 63.50                                                                                                       | 10.81 | 9.65       | 5.84                                    |                                                                                                                                                                                                                                   |                                                                                                                                                                                       |                                                                                                                                                                                                           |                                                                                                                                  |   |
|                                          | -----                     | -----            | 87898-2625          | 87898-2635       | -----                      | -----                   | 26          | -----            | 5               | 66.04     | 63.50                                                                                                       | 10.81 | 9.65       | 5.84                                    |                                                                                                                                                                                                                                   |                                                                                                                                                                                       |                                                                                                                                                                                                           |                                                                                                                                  |   |
|                                          | -----                     | -----            | 87898-2626          | 87898-2636       | -----                      | -----                   | 26          | -----            | 6               | 66.04     | 63.50                                                                                                       | 10.81 | 9.65       | 5.84                                    |                                                                                                                                                                                                                                   |                                                                                                                                                                                       |                                                                                                                                                                                                           |                                                                                                                                  |   |
|                                          |                           |                  |                     |                  |                            |                         |             |                  |                 |           |                                                                                                             |       |            |                                         |                                                                                                                                                                                                                                   |                                                                                                                                                                                       |                                                                                                                                                                                                           |                                                                                                                                  |   |
|                                          | -----                     | -----            | 87898-2721          | 87898-2731       | -----                      | -----                   | 27          | -----            | 1               | 68.58     | 66.04                                                                                                       | 10.81 | 9.65       | 5.84                                    |                                                                                                                                                                                                                                   |                                                                                                                                                                                       |                                                                                                                                                                                                           |                                                                                                                                  |   |
|                                          | -----                     | -----            | 87898-2722          | 87898-2732       | -----                      | -----                   | 27          | -----            | 2               | 68.58     | 66.04                                                                                                       | 10.81 | 9.65       | 5.84                                    |                                                                                                                                                                                                                                   |                                                                                                                                                                                       |                                                                                                                                                                                                           |                                                                                                                                  |   |
| C                                        | -----                     | -----            | 87898-2724          | 87898-2734       | -----                      | -----                   | 27          | -----            | 4               | 68.58     | 66.04                                                                                                       | 10.81 | 9.65       | 5.84                                    |                                                                                                                                                                                                                                   |                                                                                                                                                                                       |                                                                                                                                                                                                           |                                                                                                                                  |   |
|                                          | -----                     | -----            | 87898-2725          | 87898-2735       | -----                      | -----                   | 27          | -----            | 5               | 68.58     | 66.04                                                                                                       | 10.81 | 9.65       | 5.84                                    |                                                                                                                                                                                                                                   |                                                                                                                                                                                       |                                                                                                                                                                                                           |                                                                                                                                  |   |
|                                          | -----                     | -----            | 87898-2726          | 87898-2736       | -----                      | -----                   | 27          | -----            | 6               | 68.58     | 66.04                                                                                                       | 10.81 | 9.65       | 5.84                                    |                                                                                                                                                                                                                                   |                                                                                                                                                                                       |                                                                                                                                                                                                           |                                                                                                                                  |   |
|                                          |                           |                  |                     |                  |                            |                         |             |                  |                 |           |                                                                                                             |       |            |                                         |                                                                                                                                                                                                                                   |                                                                                                                                                                                       |                                                                                                                                                                                                           |                                                                                                                                  |   |
| B                                        |                           |                  |                     |                  |                            |                         |             |                  |                 |           |                                                                                                             |       |            |                                         |                                                                                                                                                                                                                                   |                                                                                                                                                                                       |                                                                                                                                                                                                           |                                                                                                                                  |   |
|                                          |                           |                  |                     |                  |                            |                         |             |                  |                 |           |                                                                                                             |       |            |                                         |                                                                                                                                                                                                                                   |                                                                                                                                                                                       |                                                                                                                                                                                                           |                                                                                                                                  |   |
| A                                        |                           |                  |                     |                  |                            |                         |             |                  |                 |           |                                                                                                             |       |            |                                         |                                                                                                                                                                                                                                   |                                                                                                                                                                                       |                                                                                                                                                                                                           |                                                                                                                                  |   |
|                                          |                           |                  |                     |                  |                            |                         |             |                  |                 |           |                                                                                                             |       |            |                                         |                                                                                                                                                                                                                                   |                                                                                                                                                                                       |                                                                                                                                                                                                           |                                                                                                                                  |   |
|                                          |                           |                  |                     |                  |                            |                         |             |                  |                 |           | SHT-87898-0315<br>EC NO: S2014-0976<br>DRAWN BY: 2011/04/14<br>CHKD BY: 2011/04/14<br>APPR: BLEE 2011/09/11 |       | REV<br>B12 | QUALITY<br>SYMBOLS<br>▽=0<br>▽=0<br>▽=0 | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)<br>mm INCH<br>4 PLACES ± --- ± ---<br>3 PLACES ± --- ± ---<br>2 PLACES ± 0.2 ± ---<br>1 PLACE ± --- ± ---<br>ANGULAR ± 3 °<br>DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS | DIMENSION STYLE<br>MM ONLY<br>DRAWN BY: YLQ1A0<br>DATE: 2005/03/14<br>CHECKED BY: PTLIM<br>DATE: 2005/03/29<br>APPROVED BY: DATE: 2010/10/04<br>MATERIAL NO.<br>SEE TABLE<br>SIZE: A3 | SCALE<br>NTS<br>DESIGN UNITS<br>METRIC<br>THIRD ANGLE<br>PROJECTION<br>CUSTOM HEADER<br>2.54MM PITCH SINGLE ROW<br>SINGLE WAFER SMT HEADER<br>MOLEX INCORPORATED<br>SD-87898-001<br>SHEET NO.<br>10 OF 20 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |   |
| ib_frame_A3_P_AM_T<br>Rev. F. 2009/06/18 |                           |                  |                     |                  |                            |                         |             |                  |                 |           | 9                                                                                                           | 8     | 7          | 6                                       | 5                                                                                                                                                                                                                                 | 4                                                                                                                                                                                     | 3                                                                                                                                                                                                         | 2                                                                                                                                | 1 |

|                                                                                                                                                                                                                                                                                      | 10                        | 9             | 8                | 7             | 6                       | 5                    | 4        | 3             | 2            | 1         |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |      |      |      |          |       |       |          |       |       |          |       |       |         |       |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                                                                   |  |          |      |        |            |            |      |       |            |             |      |       |            |                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                               |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|---------------|------------------|---------------|-------------------------|----------------------|----------|---------------|--------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------|------|------|----------|-------|-------|----------|-------|-------|----------|-------|-------|---------|-------|-------|---------------|--|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------|------|--------|------------|------------|------|-------|------------|-------------|------|-------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------|--|--|
|                                                                                                                                                                                                                                                                                      | PACKAGING OPTION PART NO. |               |                  |               |                         |                      |          |               |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |      |      |      |          |       |       |          |       |       |          |       |       |         |       |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                                                                   |  |          |      |        |            |            |      |       |            |             |      |       |            |                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                               |  |  |
| F                                                                                                                                                                                                                                                                                    | TRAY WITHOUT CAP          | TRAY WITH CAP | TUBE WITHOUT CAP | TUBE WITH CAP | TAPE & REEL WITHOUT CAP | TAPE & REEL WITH CAP | CKT SIZE | VOID POSITION | PLATING TYPE | DIMENSION |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |      |      |      |          |       |       |          |       |       |          |       |       |         |       |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                                                                   |  |          |      |        |            |            |      |       |            |             |      |       |            |                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                               |  |  |
|                                                                                                                                                                                                                                                                                      |                           |               |                  |               |                         |                      |          |               |              | A         | B                                                                                                                                                                                                                                                                                                                                                                                                                                                    | G     | F    | M    |      |          |       |       |          |       |       |          |       |       |         |       |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                                                                   |  |          |      |        |            |            |      |       |            |             |      |       |            |                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                               |  |  |
|                                                                                                                                                                                                                                                                                      | -----                     | -----         | 87898-2821       | 87898-2831    | -----                   | -----                | 28       | -----         | 1            | 71.12     | 68.58                                                                                                                                                                                                                                                                                                                                                                                                                                                | 10.81 | 9.65 | 5.84 |      |          |       |       |          |       |       |          |       |       |         |       |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                                                                   |  |          |      |        |            |            |      |       |            |             |      |       |            |                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                               |  |  |
|                                                                                                                                                                                                                                                                                      | -----                     | -----         | 87898-2822       | 87898-2832    | -----                   | -----                | 28       | -----         | 2            | 71.12     | 68.58                                                                                                                                                                                                                                                                                                                                                                                                                                                | 10.81 | 9.65 | 5.84 |      |          |       |       |          |       |       |          |       |       |         |       |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                                                                   |  |          |      |        |            |            |      |       |            |             |      |       |            |                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                               |  |  |
|                                                                                                                                                                                                                                                                                      | -----                     | -----         | 87898-2824       | 87898-2834    | -----                   | -----                | 28       | -----         | 4            | 71.12     | 68.58                                                                                                                                                                                                                                                                                                                                                                                                                                                | 10.81 | 9.65 | 5.84 |      |          |       |       |          |       |       |          |       |       |         |       |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                                                                   |  |          |      |        |            |            |      |       |            |             |      |       |            |                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                               |  |  |
|                                                                                                                                                                                                                                                                                      | -----                     | -----         | 87898-2825       | 87898-2835    | -----                   | -----                | 28       | -----         | 5            | 71.12     | 68.58                                                                                                                                                                                                                                                                                                                                                                                                                                                | 10.81 | 9.65 | 5.84 |      |          |       |       |          |       |       |          |       |       |         |       |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                                                                   |  |          |      |        |            |            |      |       |            |             |      |       |            |                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                               |  |  |
| E                                                                                                                                                                                                                                                                                    | -----                     | -----         | 87898-2826       | 87898-2836    | -----                   | -----                | 28       | -----         | 6            | 71.12     | 68.58                                                                                                                                                                                                                                                                                                                                                                                                                                                | 10.81 | 9.65 | 5.84 |      |          |       |       |          |       |       |          |       |       |         |       |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                                                                   |  |          |      |        |            |            |      |       |            |             |      |       |            |                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                               |  |  |
|                                                                                                                                                                                                                                                                                      |                           |               |                  |               |                         |                      |          |               |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |      |      |      |          |       |       |          |       |       |          |       |       |         |       |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                                                                   |  |          |      |        |            |            |      |       |            |             |      |       |            |                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                               |  |  |
|                                                                                                                                                                                                                                                                                      |                           |               |                  |               |                         |                      |          |               |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |      |      |      |          |       |       |          |       |       |          |       |       |         |       |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                                                                   |  |          |      |        |            |            |      |       |            |             |      |       |            |                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                               |  |  |
|                                                                                                                                                                                                                                                                                      | -----                     | -----         | 87898-2921       | 87898-2931    | -----                   | -----                | 29       | -----         | 1            | 73.66     | 71.12                                                                                                                                                                                                                                                                                                                                                                                                                                                | 10.81 | 9.65 | 5.84 |      |          |       |       |          |       |       |          |       |       |         |       |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                                                                   |  |          |      |        |            |            |      |       |            |             |      |       |            |                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                               |  |  |
|                                                                                                                                                                                                                                                                                      | -----                     | -----         | 87898-2922       | 87898-2932    | -----                   | -----                | 29       | -----         | 2            | 73.66     | 71.12                                                                                                                                                                                                                                                                                                                                                                                                                                                | 10.81 | 9.65 | 5.84 |      |          |       |       |          |       |       |          |       |       |         |       |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                                                                   |  |          |      |        |            |            |      |       |            |             |      |       |            |                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                               |  |  |
|                                                                                                                                                                                                                                                                                      | -----                     | -----         | 87898-2924       | 87898-2934    | -----                   | -----                | 29       | -----         | 4            | 73.66     | 71.12                                                                                                                                                                                                                                                                                                                                                                                                                                                | 10.81 | 9.65 | 5.84 |      |          |       |       |          |       |       |          |       |       |         |       |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                                                                   |  |          |      |        |            |            |      |       |            |             |      |       |            |                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                               |  |  |
| D                                                                                                                                                                                                                                                                                    | -----                     | -----         | 87898-2925       | 87898-2935    | -----                   | -----                | 29       | -----         | 5            | 73.66     | 71.12                                                                                                                                                                                                                                                                                                                                                                                                                                                | 10.81 | 9.65 | 5.84 |      |          |       |       |          |       |       |          |       |       |         |       |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                                                                   |  |          |      |        |            |            |      |       |            |             |      |       |            |                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                               |  |  |
|                                                                                                                                                                                                                                                                                      | -----                     | -----         | 87898-2926       | 87898-2936    | -----                   | -----                | 29       | -----         | 6            | 73.66     | 71.12                                                                                                                                                                                                                                                                                                                                                                                                                                                | 10.81 | 9.65 | 5.84 |      |          |       |       |          |       |       |          |       |       |         |       |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                                                                   |  |          |      |        |            |            |      |       |            |             |      |       |            |                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                               |  |  |
|                                                                                                                                                                                                                                                                                      |                           |               |                  |               |                         |                      |          |               |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |      |      |      |          |       |       |          |       |       |          |       |       |         |       |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                                                                   |  |          |      |        |            |            |      |       |            |             |      |       |            |                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                               |  |  |
|                                                                                                                                                                                                                                                                                      |                           |               |                  |               |                         |                      |          |               |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |      |      |      |          |       |       |          |       |       |          |       |       |         |       |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                                                                   |  |          |      |        |            |            |      |       |            |             |      |       |            |                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                               |  |  |
|                                                                                                                                                                                                                                                                                      | -----                     | -----         | 87898-3021       | 87898-3031    | -----                   | -----                | 30       | -----         | 1            | 76.20     | 73.66                                                                                                                                                                                                                                                                                                                                                                                                                                                | 10.81 | 9.65 | 5.84 |      |          |       |       |          |       |       |          |       |       |         |       |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                                                                   |  |          |      |        |            |            |      |       |            |             |      |       |            |                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                               |  |  |
|                                                                                                                                                                                                                                                                                      | -----                     | -----         | 87898-3022       | 87898-3032    | -----                   | -----                | 30       | -----         | 2            | 76.20     | 73.66                                                                                                                                                                                                                                                                                                                                                                                                                                                | 10.81 | 9.65 | 5.84 |      |          |       |       |          |       |       |          |       |       |         |       |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                                                                   |  |          |      |        |            |            |      |       |            |             |      |       |            |                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                               |  |  |
| C                                                                                                                                                                                                                                                                                    | -----                     | -----         | 87898-3024       | 87898-3034    | -----                   | -----                | 30       | -----         | 4            | 76.20     | 73.66                                                                                                                                                                                                                                                                                                                                                                                                                                                | 10.81 | 9.65 | 5.84 |      |          |       |       |          |       |       |          |       |       |         |       |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                                                                   |  |          |      |        |            |            |      |       |            |             |      |       |            |                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                               |  |  |
|                                                                                                                                                                                                                                                                                      | -----                     | -----         | 87898-3025       | 87898-3035    | -----                   | -----                | 30       | -----         | 5            | 76.20     | 73.66                                                                                                                                                                                                                                                                                                                                                                                                                                                | 10.81 | 9.65 | 5.84 |      |          |       |       |          |       |       |          |       |       |         |       |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                                                                   |  |          |      |        |            |            |      |       |            |             |      |       |            |                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                               |  |  |
|                                                                                                                                                                                                                                                                                      | -----                     | -----         | 87898-3026       | 87898-3036    | -----                   | -----                | 30       | -----         | 6            | 76.20     | 73.66                                                                                                                                                                                                                                                                                                                                                                                                                                                | 10.81 | 9.65 | 5.84 |      |          |       |       |          |       |       |          |       |       |         |       |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                                                                   |  |          |      |        |            |            |      |       |            |             |      |       |            |                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                               |  |  |
|                                                                                                                                                                                                                                                                                      |                           |               |                  |               |                         |                      |          |               |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |      |      |      |          |       |       |          |       |       |          |       |       |         |       |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                                                                   |  |          |      |        |            |            |      |       |            |             |      |       |            |                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                               |  |  |
| B                                                                                                                                                                                                                                                                                    |                           |               |                  |               |                         |                      |          |               |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |      |      | B    |          |       |       |          |       |       |          |       |       |         |       |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                                                                   |  |          |      |        |            |            |      |       |            |             |      |       |            |                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                               |  |  |
| A                                                                                                                                                                                                                                                                                    |                           |               |                  |               |                         |                      |          |               |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |      |      | A    |          |       |       |          |       |       |          |       |       |         |       |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                                                                   |  |          |      |        |            |            |      |       |            |             |      |       |            |                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                               |  |  |
|                                                                                                                                                                                                                                                                                      |                           |               |                  |               |                         |                      |          |               |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |      |      |      |          |       |       |          |       |       |          |       |       |         |       |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                                                                   |  |          |      |        |            |            |      |       |            |             |      |       |            |                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                               |  |  |
| <div><div><div>SHT2-87898-0315</div><div>EC NO: S2014-0976</div><div>2014/04/14</div><div>2014/04/14</div><div>CHKD:ANNY WONG</div><div>APPR: LBLEE</div><div>2014/09/11</div></div><div><div>QUALITY SYMBOLS</div><div><div>√=0</div><div>√=0</div><div>√=0</div></div></div></div> |                           |               |                  |               |                         |                      |          |               |              |           | <div>GENERAL TOLERANCES (UNLESS SPECIFIED)</div> <table><tr><th></th><th>mm</th><th>INCH</th></tr><tr><td>4 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>3 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>2 PLACES</td><td>± 0.2</td><td>± ---</td></tr><tr><td>1 PLACE</td><td>± ---</td><td>± ---</td></tr><tr><td colspan="3">ANGULAR ± 3 °</td></tr></table> <div>DRAFT WHERE APPLICABLE<br/>MUST REMAIN<br/>WITHIN DIMENSIONS</div> |       |      | mm   | INCH | 4 PLACES | ± --- | ± --- | 3 PLACES | ± --- | ± --- | 2 PLACES | ± 0.2 | ± --- | 1 PLACE | ± --- | ± --- | ANGULAR ± 3 ° |  |  | <div>DIMENSION STYLE</div> <div>MM ONLY</div> <table><tr><td>DRAWN BY</td><td>DATE</td></tr><tr><td>YLOIAO</td><td>2005/03/14</td></tr><tr><td>CHECKED BY</td><td>DATE</td></tr><tr><td>PTLIM</td><td>2005/03/29</td></tr><tr><td>APPROVED BY</td><td>DATE</td></tr><tr><td>MLONG</td><td>2010/10/04</td></tr></table> <div>MATERIAL NO.</div> <div>SEE TABLE</div> <div>SIZE</div> <div>A3</div> |  | DRAWN BY | DATE | YLOIAO | 2005/03/14 | CHECKED BY | DATE | PTLIM | 2005/03/29 | APPROVED BY | DATE | MLONG | 2010/10/04 | <div>SCALE</div> <div>NTS</div> <div>DESIGN UNITS</div> <div>METRIC</div> <div>THIRD ANGLE PROJECTION</div> <div>CUSTOM HEADER</div> <div>2.54MM PITCH SINGLE ROW</div> <div>SINGLE WAFER SMT HEADER</div> <div>MOLEX INCORPORATED</div> <div>DOCUMENT NO.</div> <div>SD-87898-001</div> <div>SHEET NO.</div> <div>11 OF 20</div> |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |  |
|                                                                                                                                                                                                                                                                                      | mm                        | INCH          |                  |               |                         |                      |          |               |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |      |      |      |          |       |       |          |       |       |          |       |       |         |       |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                                                                   |  |          |      |        |            |            |      |       |            |             |      |       |            |                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                               |  |  |
| 4 PLACES                                                                                                                                                                                                                                                                             | ± ---                     | ± ---         |                  |               |                         |                      |          |               |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |      |      |      |          |       |       |          |       |       |          |       |       |         |       |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                                                                   |  |          |      |        |            |            |      |       |            |             |      |       |            |                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                               |  |  |
| 3 PLACES                                                                                                                                                                                                                                                                             | ± ---                     | ± ---         |                  |               |                         |                      |          |               |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |      |      |      |          |       |       |          |       |       |          |       |       |         |       |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                                                                   |  |          |      |        |            |            |      |       |            |             |      |       |            |                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                               |  |  |
| 2 PLACES                                                                                                                                                                                                                                                                             | ± 0.2                     | ± ---         |                  |               |                         |                      |          |               |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |      |      |      |          |       |       |          |       |       |          |       |       |         |       |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                                                                   |  |          |      |        |            |            |      |       |            |             |      |       |            |                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                               |  |  |
| 1 PLACE                                                                                                                                                                                                                                                                              | ± ---                     | ± ---         |                  |               |                         |                      |          |               |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |      |      |      |          |       |       |          |       |       |          |       |       |         |       |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                                                                   |  |          |      |        |            |            |      |       |            |             |      |       |            |                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                               |  |  |
| ANGULAR ± 3 °                                                                                                                                                                                                                                                                        |                           |               |                  |               |                         |                      |          |               |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |      |      |      |          |       |       |          |       |       |          |       |       |         |       |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                                                                   |  |          |      |        |            |            |      |       |            |             |      |       |            |                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                               |  |  |
| DRAWN BY                                                                                                                                                                                                                                                                             | DATE                      |               |                  |               |                         |                      |          |               |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |      |      |      |          |       |       |          |       |       |          |       |       |         |       |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                                                                   |  |          |      |        |            |            |      |       |            |             |      |       |            |                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                               |  |  |
| YLOIAO                                                                                                                                                                                                                                                                               | 2005/03/14                |               |                  |               |                         |                      |          |               |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |      |      |      |          |       |       |          |       |       |          |       |       |         |       |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                                                                   |  |          |      |        |            |            |      |       |            |             |      |       |            |                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                               |  |  |
| CHECKED BY                                                                                                                                                                                                                                                                           | DATE                      |               |                  |               |                         |                      |          |               |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |      |      |      |          |       |       |          |       |       |          |       |       |         |       |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                                                                   |  |          |      |        |            |            |      |       |            |             |      |       |            |                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                               |  |  |
| PTLIM                                                                                                                                                                                                                                                                                | 2005/03/29                |               |                  |               |                         |                      |          |               |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |      |      |      |          |       |       |          |       |       |          |       |       |         |       |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                                                                   |  |          |      |        |            |            |      |       |            |             |      |       |            |                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                               |  |  |
| APPROVED BY                                                                                                                                                                                                                                                                          | DATE                      |               |                  |               |                         |                      |          |               |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |      |      |      |          |       |       |          |       |       |          |       |       |         |       |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                                                                   |  |          |      |        |            |            |      |       |            |             |      |       |            |                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                               |  |  |
| MLONG                                                                                                                                                                                                                                                                                | 2010/10/04                |               |                  |               |                         |                      |          |               |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |      |      |      |          |       |       |          |       |       |          |       |       |         |       |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                                                                   |  |          |      |        |            |            |      |       |            |             |      |       |            |                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                               |  |  |
| ib_frame_A3_P_AM_T<br>Rev. F 2009/06/18                                                                                                                                                                                                                                              | 9                         | 8             | 7                | 6             | 5                       | 4                    | 3        | 2             | 1            |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |      |      |      |          |       |       |          |       |       |          |       |       |         |       |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                                                                   |  |          |      |        |            |            |      |       |            |             |      |       |            |                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                               |  |  |

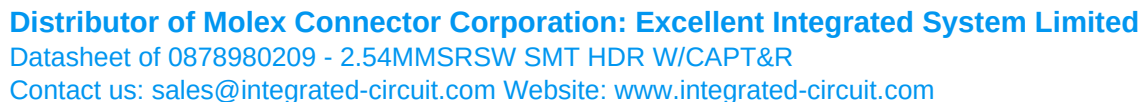
|                                         |                           |                  |                     |                  |                            |                         |             |                  |                 |                                                                                                                   |       |                                         |       |                                                                                                                                                                     |   |                                                                                                                                                 |      |              |  |                        |  |                           |  |                                                                                           |  |                       |  |
|-----------------------------------------|---------------------------|------------------|---------------------|------------------|----------------------------|-------------------------|-------------|------------------|-----------------|-------------------------------------------------------------------------------------------------------------------|-------|-----------------------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------|--|------------------------|--|---------------------------|--|-------------------------------------------------------------------------------------------|--|-----------------------|--|
|                                         | 10                        | 9                | 8                   | 7                | 6                          | 5                       | 4           | 3                | 2               | 1                                                                                                                 |       |                                         |       |                                                                                                                                                                     |   |                                                                                                                                                 |      |              |  |                        |  |                           |  |                                                                                           |  |                       |  |
| F                                       | PACKAGING OPTION PART NO. |                  |                     |                  |                            |                         | CKT<br>SIZE | VOID<br>POSITION | PLATING<br>TYPE | DIMENSION                                                                                                         |       |                                         |       |                                                                                                                                                                     | F |                                                                                                                                                 |      |              |  |                        |  |                           |  |                                                                                           |  |                       |  |
|                                         | TRAY<br>WITHOUT CAP       | TRAY<br>WITH CAP | TUBE<br>WITHOUT CAP | TUBE<br>WITH CAP | TAPE & REEL<br>WITHOUT CAP | TAPE & REEL<br>WITH CAP |             |                  |                 | A                                                                                                                 | B     | G                                       | F     | M                                                                                                                                                                   |   |                                                                                                                                                 |      |              |  |                        |  |                           |  |                                                                                           |  |                       |  |
|                                         | -----                     | -----            | 87898-3121          | 87898-3131       | -----                      | -----                   |             |                  |                 | 31                                                                                                                | ----- | 1                                       | 78.74 | 76.20                                                                                                                                                               |   | 10.81                                                                                                                                           | 9.65 | 5.84         |  |                        |  |                           |  |                                                                                           |  |                       |  |
|                                         | -----                     | -----            | 87898-3122          | 87898-3132       | -----                      | -----                   | 31          | -----            | 2               | 78.74                                                                                                             | 76.20 | 10.81                                   | 9.65  | 5.84                                                                                                                                                                |   |                                                                                                                                                 |      |              |  |                        |  |                           |  |                                                                                           |  |                       |  |
|                                         | -----                     | -----            | 87898-3124          | 87898-3134       | -----                      | -----                   | 31          | -----            | 4               | 78.74                                                                                                             | 76.20 | 10.81                                   | 9.65  | 5.84                                                                                                                                                                |   |                                                                                                                                                 |      |              |  |                        |  |                           |  |                                                                                           |  |                       |  |
|                                         | -----                     | -----            | 87898-3125          | 87898-3135       | -----                      | -----                   | 31          | -----            | 5               | 78.74                                                                                                             | 76.20 | 10.81                                   | 9.65  | 5.84                                                                                                                                                                |   |                                                                                                                                                 |      |              |  |                        |  |                           |  |                                                                                           |  |                       |  |
|                                         | -----                     | -----            | 87898-3126          | 87898-3136       | -----                      | -----                   | 31          | -----            | 6               | 78.74                                                                                                             | 76.20 | 10.81                                   | 9.65  | 5.84                                                                                                                                                                |   |                                                                                                                                                 |      |              |  |                        |  |                           |  |                                                                                           |  |                       |  |
| E                                       |                           |                  |                     |                  |                            |                         |             |                  |                 |                                                                                                                   |       |                                         |       |                                                                                                                                                                     | E |                                                                                                                                                 |      |              |  |                        |  |                           |  |                                                                                           |  |                       |  |
|                                         | -----                     | -----            | 87898-3221          | 87898-3231       | -----                      | -----                   | 32          | -----            | 1               | 81.28                                                                                                             | 78.74 | 10.81                                   | 9.65  | 5.84                                                                                                                                                                |   |                                                                                                                                                 |      |              |  |                        |  |                           |  |                                                                                           |  |                       |  |
|                                         | -----                     | -----            | 87898-3222          | 87898-3232       | -----                      | -----                   | 32          | -----            | 2               | 81.28                                                                                                             | 78.74 | 10.81                                   | 9.65  | 5.84                                                                                                                                                                |   |                                                                                                                                                 |      |              |  |                        |  |                           |  |                                                                                           |  |                       |  |
| D                                       | -----                     | -----            | 87898-3224          | 87898-3234       | -----                      | -----                   | 32          | -----            | 4               | 81.28                                                                                                             | 78.74 | 10.81                                   | 9.65  | 5.84                                                                                                                                                                |   |                                                                                                                                                 |      |              |  |                        |  |                           |  |                                                                                           |  |                       |  |
|                                         | -----                     | -----            | 87898-3225          | 87898-3235       | -----                      | -----                   | 32          | -----            | 5               | 81.28                                                                                                             | 78.74 | 10.81                                   | 9.65  | 5.84                                                                                                                                                                |   |                                                                                                                                                 |      |              |  |                        |  |                           |  |                                                                                           |  |                       |  |
|                                         | -----                     | -----            | 87898-3226          | 87898-3236       | -----                      | -----                   | 32          | -----            | 6               | 81.28                                                                                                             | 78.74 | 10.81                                   | 9.65  | 5.84                                                                                                                                                                | D |                                                                                                                                                 |      |              |  |                        |  |                           |  |                                                                                           |  |                       |  |
|                                         |                           |                  |                     |                  |                            |                         |             |                  |                 |                                                                                                                   |       |                                         |       |                                                                                                                                                                     |   |                                                                                                                                                 |      |              |  |                        |  |                           |  |                                                                                           |  |                       |  |
|                                         |                           |                  |                     |                  |                            |                         |             |                  |                 |                                                                                                                   |       |                                         |       |                                                                                                                                                                     |   |                                                                                                                                                 |      |              |  |                        |  |                           |  |                                                                                           |  |                       |  |
|                                         | -----                     | -----            | 87898-3321          | 87898-3331       | -----                      | -----                   | 33          | -----            | 1               | 83.82                                                                                                             | 81.28 | 10.81                                   | 9.65  | 5.84                                                                                                                                                                |   |                                                                                                                                                 |      |              |  |                        |  |                           |  |                                                                                           |  |                       |  |
|                                         | -----                     | -----            | 87898-3322          | 87898-3332       | -----                      | -----                   | 33          | -----            | 2               | 83.82                                                                                                             | 81.28 | 10.81                                   | 9.65  | 5.84                                                                                                                                                                |   |                                                                                                                                                 |      |              |  |                        |  |                           |  |                                                                                           |  |                       |  |
|                                         | -----                     | -----            | 87898-3324          | 87898-3334       | -----                      | -----                   | 33          | -----            | 4               | 83.82                                                                                                             | 81.28 | 10.81                                   | 9.65  | 5.84                                                                                                                                                                |   |                                                                                                                                                 |      |              |  |                        |  |                           |  |                                                                                           |  |                       |  |
| C                                       | -----                     | -----            | 87898-3325          | 87898-3335       | -----                      | -----                   | 33          | -----            | 5               | 83.82                                                                                                             | 81.28 | 10.81                                   | 9.65  | 5.84                                                                                                                                                                |   |                                                                                                                                                 |      |              |  |                        |  |                           |  |                                                                                           |  |                       |  |
|                                         | -----                     | -----            | 87898-3326          | 87898-3336       | -----                      | -----                   | 33          | -----            | 6               | 83.82                                                                                                             | 81.28 | 10.81                                   | 9.65  | 5.84                                                                                                                                                                | C |                                                                                                                                                 |      |              |  |                        |  |                           |  |                                                                                           |  |                       |  |
| B                                       |                           |                  |                     |                  |                            |                         |             |                  |                 |                                                                                                                   |       |                                         |       |                                                                                                                                                                     |   | B                                                                                                                                               |      |              |  |                        |  |                           |  |                                                                                           |  |                       |  |
|                                         |                           |                  |                     |                  |                            |                         |             |                  |                 |                                                                                                                   |       |                                         |       |                                                                                                                                                                     |   |                                                                                                                                                 |      |              |  |                        |  |                           |  |                                                                                           |  |                       |  |
|                                         |                           |                  |                     |                  |                            |                         |             |                  |                 |                                                                                                                   |       |                                         |       |                                                                                                                                                                     |   |                                                                                                                                                 |      |              |  |                        |  |                           |  |                                                                                           |  |                       |  |
| A                                       |                           |                  |                     |                  |                            |                         |             |                  |                 |                                                                                                                   |       |                                         |       |                                                                                                                                                                     |   | A                                                                                                                                               |      |              |  |                        |  |                           |  |                                                                                           |  |                       |  |
|                                         |                           |                  |                     |                  |                            |                         |             |                  |                 |                                                                                                                   |       |                                         |       |                                                                                                                                                                     |   |                                                                                                                                                 |      |              |  |                        |  |                           |  |                                                                                           |  |                       |  |
|                                         |                           |                  |                     |                  |                            |                         |             |                  |                 |                                                                                                                   |       |                                         |       |                                                                                                                                                                     |   |                                                                                                                                                 |      |              |  |                        |  |                           |  |                                                                                           |  |                       |  |
|                                         |                           |                  |                     |                  |                            |                         |             |                  |                 | SHT2-87898-0315<br>EC NO: SZ014-0976<br>DRAWN:SEE 2011/04/14<br>CHKD:FANNYWONG 2011/04/14<br>APPR:BLEE 2011/09/11 |       | QUALITY<br>SYMBOLS<br>▽=0<br>▽=0<br>▽=0 |       | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)<br>mm INCH<br>4 PLACES ± --- ± ---<br>3 PLACES ± --- ± ---<br>2 PLACES ± 0.2 ± ---<br>1 PLACE ± --- ± ---<br>ANGULAR ± 3 ° |   | DIMENSION STYLE<br>MM ONLY<br>DRAWN BY DATE<br>YLQ1AO 2005/03/14<br>CHECKED BY DATE<br>PTLIM 2005/03/29<br>APPROVED BY DATE<br>MLONG 2010/10/04 |      | SCALE<br>NTS |  | DESIGN UNITS<br>METRIC |  | THIRD ANGLE<br>PROJECTION |  | CUSTOM HEADER<br>2.54MM PITCH SINGLE ROW<br>SINGLE WAFER SMT HEADER<br>MOLEX INCORPORATED |  | SHEET NO.<br>12 OF 20 |  |
|                                         |                           |                  |                     |                  |                            |                         |             |                  |                 | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                        |       | SEE TABLE<br>SIZE A3                    |       | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION                                    |   | DOCUMENT NO.<br>SD-87898-001                                                                                                                    |      |              |  |                        |  |                           |  |                                                                                           |  |                       |  |
| tb_frame_A3_P_AM_T<br>Rev. F 2009/06/18 |                           |                  |                     |                  |                            |                         |             |                  |                 | 9                                                                                                                 | 8     | 7                                       | 6     | 5                                                                                                                                                                   | 4 | 3                                                                                                                                               | 2    | 1            |  |                        |  |                           |  |                                                                                           |  |                       |  |



fb\_frame\_A3\_P\_AM\_T  
Rev. F 2009/06/18



|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |
|---|---------------------------|------------------|---------------------|------------------|----------------------------|-------------------------|-------------|------------------|-----------------|-----------|-------|-------|------|------|--|--|
|   | 10                        | 9                | 8                   | 7                | 6                          | 5                       | 4           | 3                | 2               | 1         |       |       |      |      |  |  |
| F | PACKAGING OPTION PART NO. |                  |                     |                  |                            |                         | CKT<br>SIZE | VOID<br>POSITION | PLATING<br>TYPE | DIMENSION |       |       |      |      |  |  |
|   | TRAY<br>WITHOUT CAP       | TRAY<br>WITH CAP | TUBE<br>WITHOUT CAP | TUBE<br>WITH CAP | TAPE & REEL<br>WITHOUT CAP | TAPE & REEL<br>WITH CAP |             |                  |                 | A         | B     | G     | F    | M    |  |  |
|   | -----                     | -----            | 87898-3721          | 87898-3731       | -----                      | -----                   | 37          | -----            | 1               | 93.98     | 91.44 | 10.81 | 9.65 | 5.84 |  |  |
|   | -----                     | -----            | 87898-3722          | 87898-3732       | -----                      | -----                   | 37          | -----            | 2               | 93.98     | 91.44 | 10.81 | 9.65 | 5.84 |  |  |
|   | -----                     | -----            | 87898-3724          | 87898-3734       | -----                      | -----                   | 37          | -----            | 4               | 93.98     | 91.44 | 10.81 | 9.65 | 5.84 |  |  |
|   | -----                     | -----            | 87898-3725          | 87898-3735       | -----                      | -----                   | 37          | -----            | 5               | 93.98     | 91.44 | 10.81 | 9.65 | 5.84 |  |  |
|   | -----                     | -----            | 87898-3726          | 87898-3736       | -----                      | -----                   | 37          | -----            | 6               | 93.98     | 91.44 | 10.81 | 9.65 | 5.84 |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |
| E |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |
|   | -----                     | -----            | 87898-3821          | 87898-3831       | -----                      | -----                   | 38          | -----            | 1               | 96.52     | 93.98 | 10.81 | 9.65 | 5.84 |  |  |
|   | -----                     | -----            | 87898-3822          | 87898-3832       | -----                      | -----                   | 38          | -----            | 2               | 96.52     | 93.98 | 10.81 | 9.65 | 5.84 |  |  |
|   | -----                     | -----            | 87898-3824          | 87898-3834       | -----                      | -----                   | 38          | -----            | 4               | 96.52     | 93.98 | 10.81 | 9.65 | 5.84 |  |  |
| D | -----                     | -----            | 87898-3825          | 87898-3835       | -----                      | -----                   | 38          | -----            | 5               | 96.52     | 93.98 | 10.81 | 9.65 | 5.84 |  |  |
|   | -----                     | -----            | 87898-3826          | 87898-3836       | -----                      | -----                   | 38          | -----            | 6               | 96.52     | 93.98 | 10.81 | 9.65 | 5.84 |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |
| C | -----                     | -----            | 87898-3921          | 87898-3931       | -----                      | -----                   | 39          | -----            | 1               | 99.06     | 96.52 | 10.81 | 9.65 | 5.84 |  |  |
|   | -----                     | -----            | 87898-3922          | 87898-3932       | -----                      | -----                   | 39          | -----            | 2               | 99.06     | 96.52 | 10.81 | 9.65 | 5.84 |  |  |
|   | -----                     | -----            | 87898-3924          | 87898-3934       | -----                      | -----                   | 39          | -----            | 4               | 99.06     | 96.52 | 10.81 | 9.65 | 5.84 |  |  |
|   | -----                     | -----            | 87898-3925          | 87898-3935       | -----                      | -----                   | 39          | -----            | 5               | 99.06     | 96.52 | 10.81 | 9.65 | 5.84 |  |  |
|   | -----                     | -----            | 87898-3926          | 87898-3936       | -----                      | -----                   | 39          | -----            | 6               | 99.06     | 96.52 | 10.81 | 9.65 | 5.84 |  |  |
| B |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |
| A |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |  |
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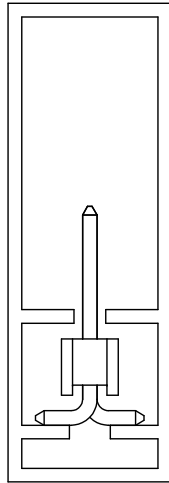


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|   | -----                                       | -----            | 87898-4021          | 87898-4031       | -----                                                                       | -----                   | 40          | -----                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              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|   | -----                                       | -----            | 87898-4024          | 87898-4034       | -----                                                                       | -----                   | 40          | -----                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              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| A | SHT2+87898-0315<br>EC NO: S2014-0976<br>B12 |                  |                     |                  | DRAWN BY: 2011/04/14<br>CHKD:FANNY WONG 2014/04/14<br>APPR: BLEE 2014/09/11 |                         | REV         | QUALITY<br>SYMBOLS<br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><b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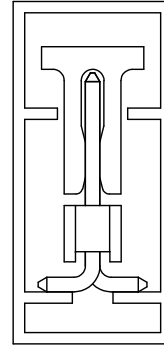


10 9 8 7 6 5 4 3 2 1

**PART WITHOUT CAP  
IN TUBE ORIENTATION**

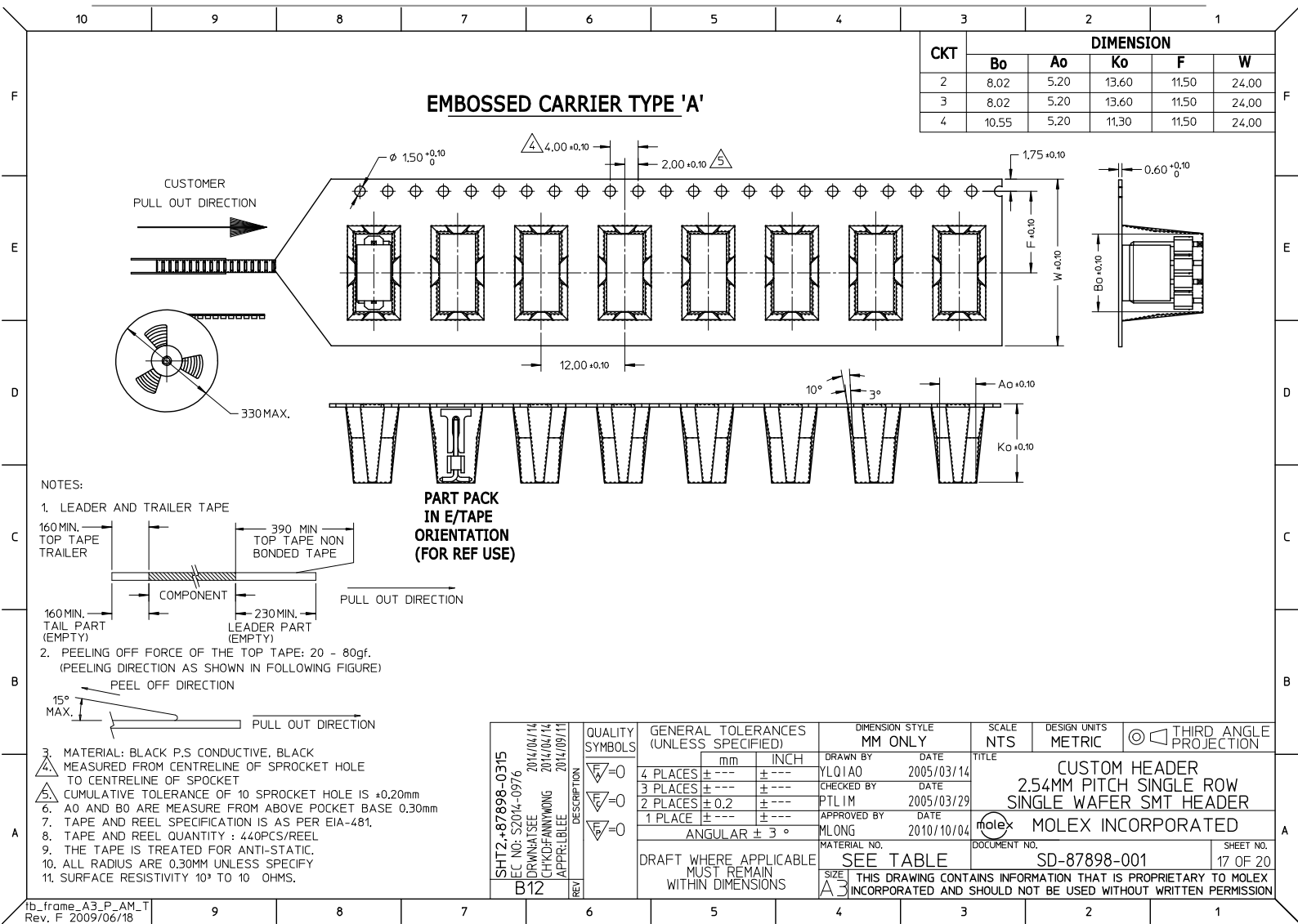


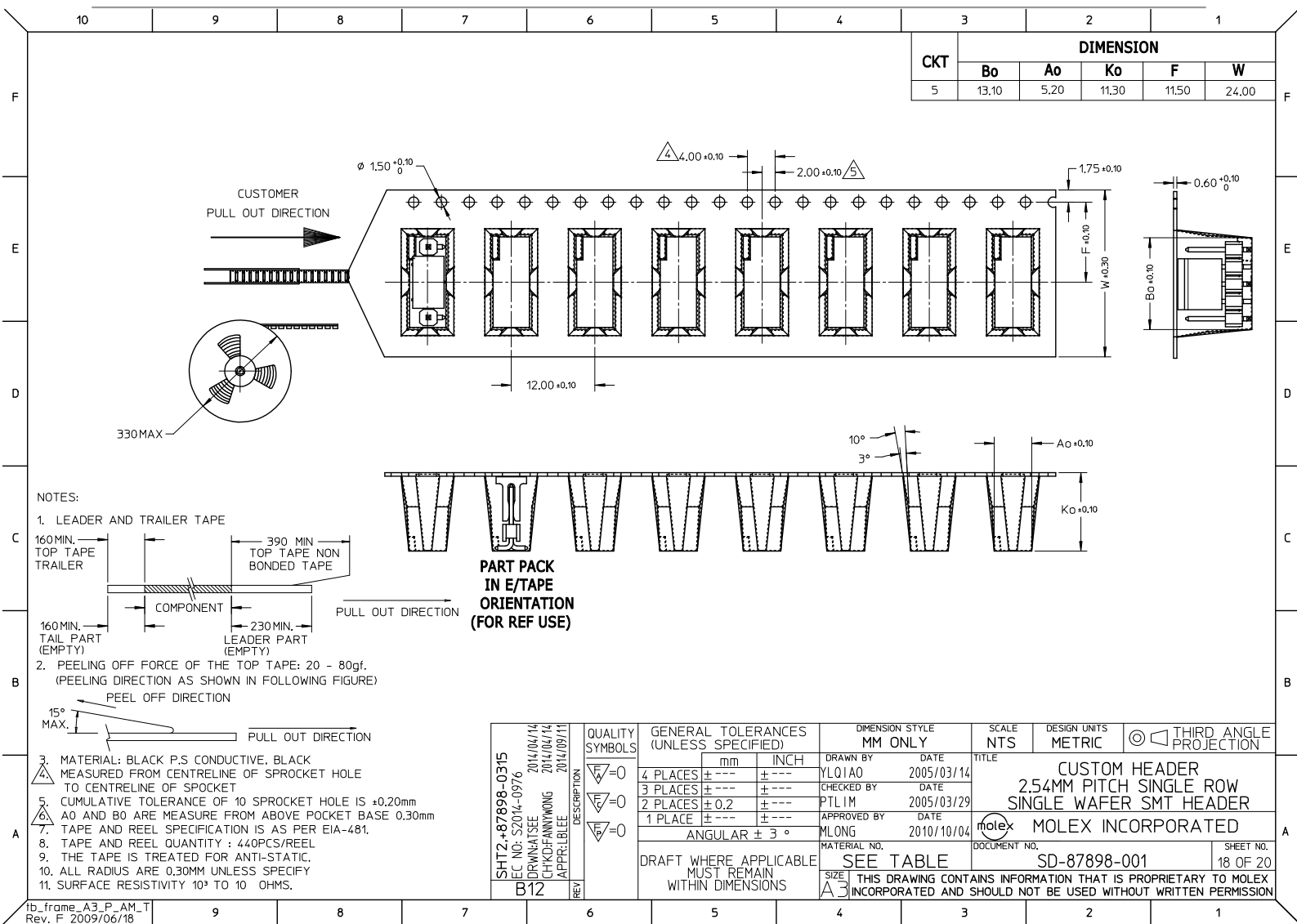
**PART WITH CAP  
IN TUBE ORIENTATION**



|                                                                                                                                |                                                        |                                                                                        |                                       |                                                                                                                                  |                            |                       |              |                        |                                                                                                                 |                                                                                                                                                                                                         |
|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------|--------------|------------------------|-----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SH12-87898-0315<br>EC NO: S2014-0976<br>DRAWN BY: 2014/04/14<br>CHKD: FANNY WONG 2014/04/14<br>APPR: LEE 2014/09/11<br><br>B12 | DESCRIPTION<br><br><br><br><br><br><br><br><br><br>REV | QUALITY SYMBOLS                                                                        | GENERAL TOLERANCES (UNLESS SPECIFIED) |                                                                                                                                  | DIMENSION STYLE<br>MM ONLY |                       | SCALE<br>NTS | DESIGN UNITS<br>METRIC |  THIRD ANGLE<br>PROJECTION | CUSTOM HEADER<br>2.54MM PITCH SINGLE ROW<br>SINGLE WAFER SMT HEADER<br><br> MOLEX INCORPORATED<br><br>SD-87898-001 |
|                                                                                                                                |                                                        |  =0 | 4 PLACES                              | ± ---                                                                                                                            | ± ---                      | DRAWN BY              | DATE         | TITLE                  |                                                                                                                 |                                                                                                                                                                                                         |
|                                                                                                                                |                                                        |  =0 | 3 PLACES                              | ± ---                                                                                                                            | ± ---                      | CHECKED BY            | DATE         |                        |                                                                                                                 |                                                                                                                                                                                                         |
|                                                                                                                                |                                                        |  =0 | 2 PLACES                              | ± 0.2                                                                                                                            | ± ---                      | PTL IM                | 2005/03/29   |                        |                                                                                                                 |                                                                                                                                                                                                         |
|                                                                                                                                |                                                        |  =0 | 1 PLACE                               | ± ---                                                                                                                            | ± ---                      | APPROVED BY           | DATE         |                        |                                                                                                                 |                                                                                                                                                                                                         |
|                                                                                                                                |                                                        | ANGULAR ± 3 °                                                                          |                                       | MLONG                                                                                                                            |                            | 2010/10/04            | DOCUMENT NO. |                        |                                                                                                                 |                                                                                                                                                                                                         |
|                                                                                                                                |                                                        | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                             |                                       | SEE TABLE                                                                                                                        |                            | SHEET NO.<br>16 OF 20 |              |                        |                                                                                                                 |                                                                                                                                                                                                         |
|                                                                                                                                |                                                        | SIZE                                                                                   |                                       | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                            |                       |              |                        |                                                                                                                 |                                                                                                                                                                                                         |

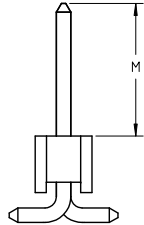
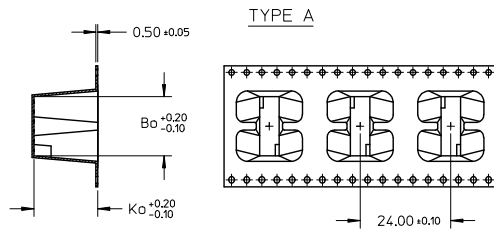
9 8 7 6 5 4 3 2 1





| 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |
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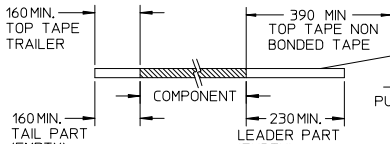
| CKT | DIMENSION |       |       |      |       |       |       | TYPE | QTY/ REEL |
|-----|-----------|-------|-------|------|-------|-------|-------|------|-----------|
|     | M         | Bo    | So    | Ao   | Ko    | F     | W     |      |           |
| 6   | 11.50     | 15.65 | 28.40 | 5.20 | 16.90 | 14.20 | 32.00 | A    | 150       |
| 6   |           | 15.65 | 28.40 | 5.20 | 11.30 | 14.20 | 32.00 | B    | 440       |
| 8   |           | 20.70 | 40.40 | 5.20 | 11.30 | 20.20 | 44.00 |      |           |
| 10  |           | 25.80 | 40.40 | 5.20 | 11.30 | 20.20 | 44.00 |      |           |
| 12  | 5.84      | 30.90 | 52.40 | 5.20 | 11.30 | 26.20 | 56.00 |      |           |
| 14  |           | 35.95 | 52.40 | 5.20 | 11.30 | 26.20 | 56.00 |      |           |
| 16  |           | 41.05 | 52.40 | 5.20 | 11.30 | 26.20 | 56.00 |      |           |
| 18  |           | 46.20 | 68.40 | 5.20 | 11.30 | 34.20 | 72.00 |      |           |
| 20  |           | 51.20 | 68.40 | 5.20 | 11.30 | 34.20 | 72.00 |      |           |



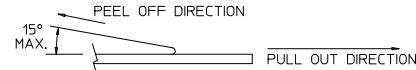
FOR ILLUSTRATION ONLY

NOTES:

1. LEADER AND TRAILER TAPE

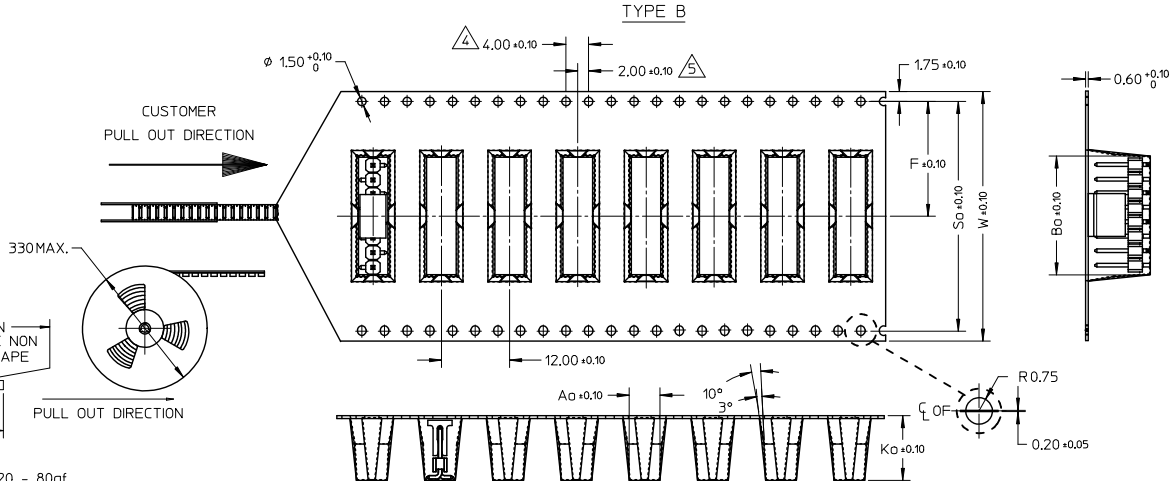


2. PEELING OFF FORCE OF THE TOP TAPE: 20 - 80gf. (PEELING DIRECTION AS SHOWN IN FOLLOWING FIGURE)



3. MATERIAL: BLACK P.S CONDUCTIVE, BLACK MEASURED FROM CENTRELINE OF SPROCKET HOLE TO CENTRELINE OF SPOCKET  
 4. CUMULATIVE TOLERANCE OF 10 SPROCKET HOLE IS ±0.20mm  
 5. A0 AND B0 ARE MEASURE FROM ABOVE POCKET BASE 0.30mm  
 6. TAPE AND REEL SPECIFICATION IS AS PER EIA-481.  
 7. TAPE AND REEL QUANTITY : SEE TABLE  
 8. THE TAPE IS TREATED FOR ANTI-STATIC.  
 9. ALL RADIUS ARE 0.30MM UNLESS SPECIFY  
 10. SURFACE RESISTIVITY 10<sup>3</sup> TO 10 OHMS.

ib\_frame\_A3\_P\_AM\_T  
Rev. F 2009/06/18



**PART PACK IN E/TAPE ORIENTATION(FOR REF USE)**

|                                                                                             |                 |             |                                                            |       |                            |                                                                                                                                  |                              |                                                                                                                  |                                                                                                                 |  |
|---------------------------------------------------------------------------------------------|-----------------|-------------|------------------------------------------------------------|-------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------------|------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|--|
| SHT2+87898-0315<br>EC NO. S2014-0976<br>DRAWN AT SEE<br>CHKD-FANNY WONG<br>APPR: LEE<br>B12 | QUALITY SYMBOLS | DESCRIPTION | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |       | DIMENSION STYLE<br>MM ONLY |                                                                                                                                  | SCALE<br>NTS                 | DESIGN UNITS<br>METRIC                                                                                           |  THIRD ANGLE<br>PROJECTION |  |
|                                                                                             |                 |             |                                                            | mm    | INCH                       | DRAWN BY<br>YLO1A0                                                                                                               | DATE<br>2005/03/14           | TITLE<br><br>CUSTOM HEADER<br>2.54MM PITCH SINGLE ROW<br>SINGLE WAFER SMT HEADER<br><br>MOLEX MOLEX INCORPORATED |                                                                                                                 |  |
|                                                                                             |                 |             | 4 PLACES                                                   | ± --- | ± ---                      | CHECKED BY                                                                                                                       | DATE<br>2005/03/29           |                                                                                                                  |                                                                                                                 |  |
|                                                                                             |                 |             | 2 PLACES                                                   | ± 0.2 | ± ---                      | PTL IM                                                                                                                           |                              |                                                                                                                  |                                                                                                                 |  |
|                                                                                             |                 |             | 1 PLACE                                                    | ± --- | ± ---                      | APPROVED BY                                                                                                                      | DATE<br>2010/10/04           |                                                                                                                  |                                                                                                                 |  |
|                                                                                             |                 |             | ANGULAR ± 3 °                                              |       | MLONG                      |                                                                                                                                  |                              |                                                                                                                  |                                                                                                                 |  |
|                                                                                             |                 |             | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |       | MATERIAL NO.<br>SEE TABLE  |                                                                                                                                  | DOCUMENT NO.<br>SD-87898-001 |                                                                                                                  | SHEET NO.<br>19 OF 20                                                                                           |  |
|                                                                                             |                 | REV         |                                                            |       | SIZE<br>A3                 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                              |                                                                                                                  |                                                                                                                 |  |

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