

## Excellent Integrated System Limited

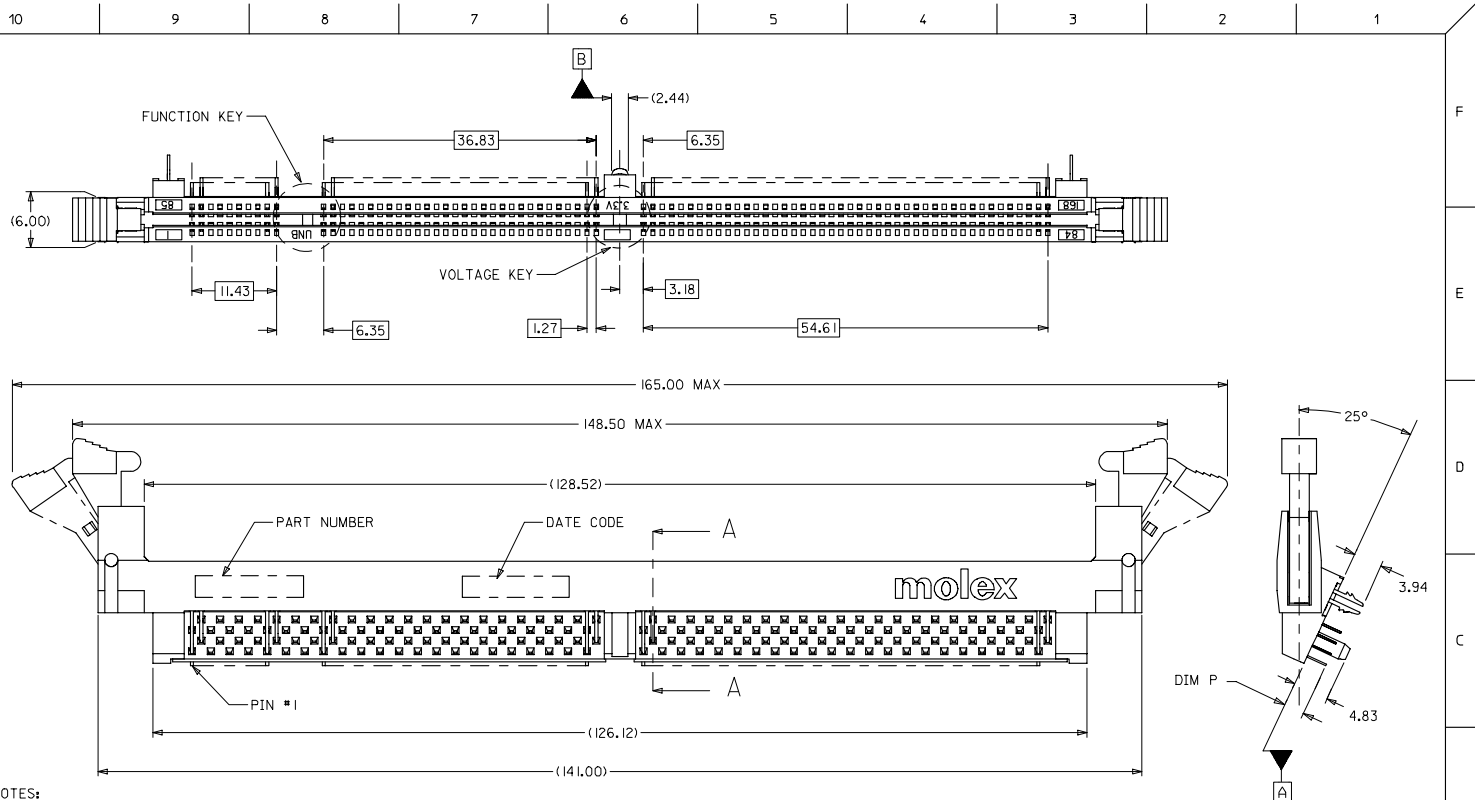
Stocking Distributor

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

[Molex Connector Corporation](#)  
[87587-2050](#)

For any questions, you can email us directly:

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



**NOTES:**

1. MATERIALS: HOUSING - LCP, GLASS FILLED, UL 94V-0  
COLOR: BLACK

LATCH - HIGH TEMP NYLON, GLASS FILLED, UL94V-0  
COLOR: BEIGE

TERMINAL AND FORKLOCK - COPPER ALLOY

2. FINISHES: CONTACT AREA: SEE TABLE ON SHEET 4

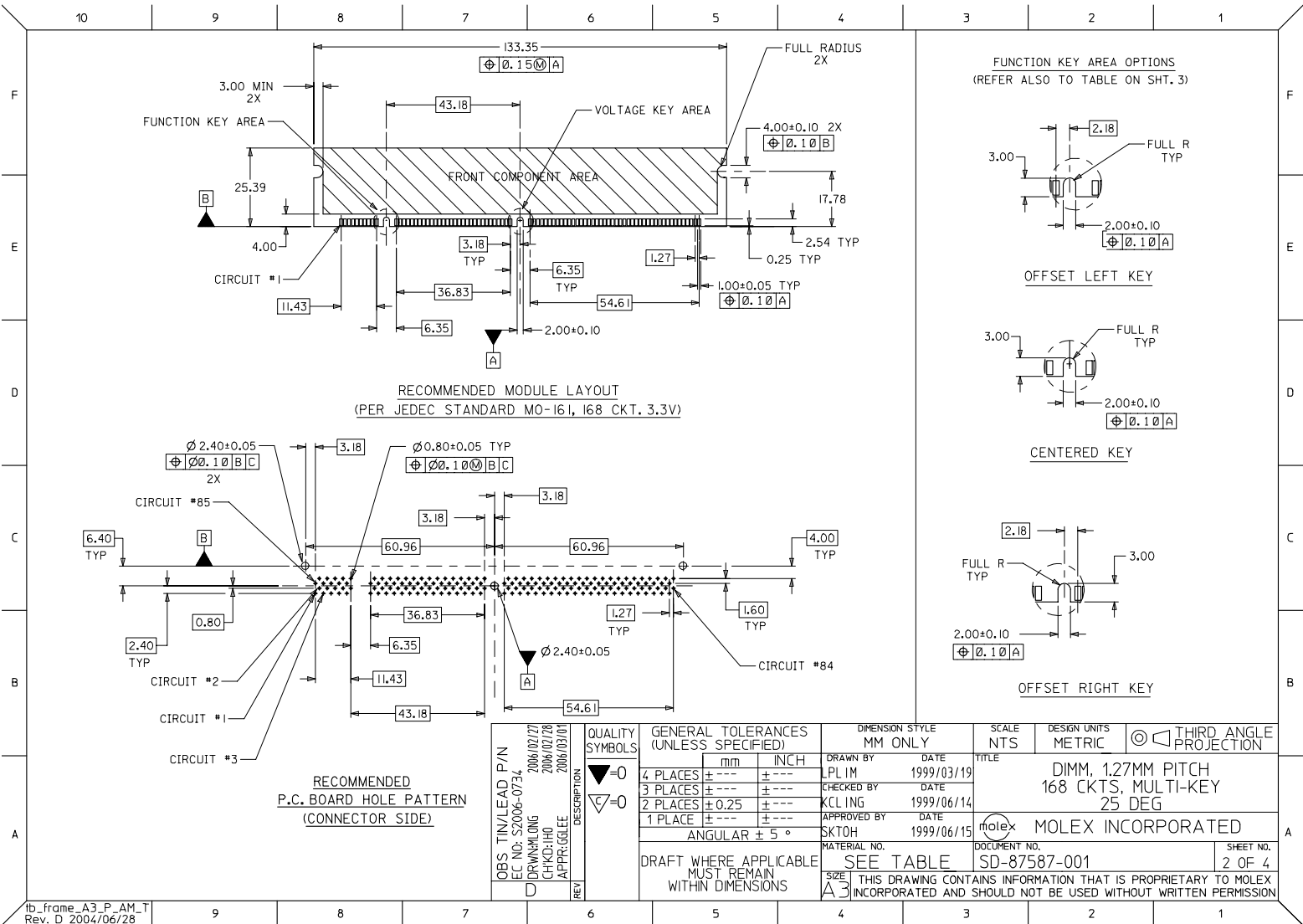
SOLDER TAILS: 2.54UM/100U" MIN. TIN

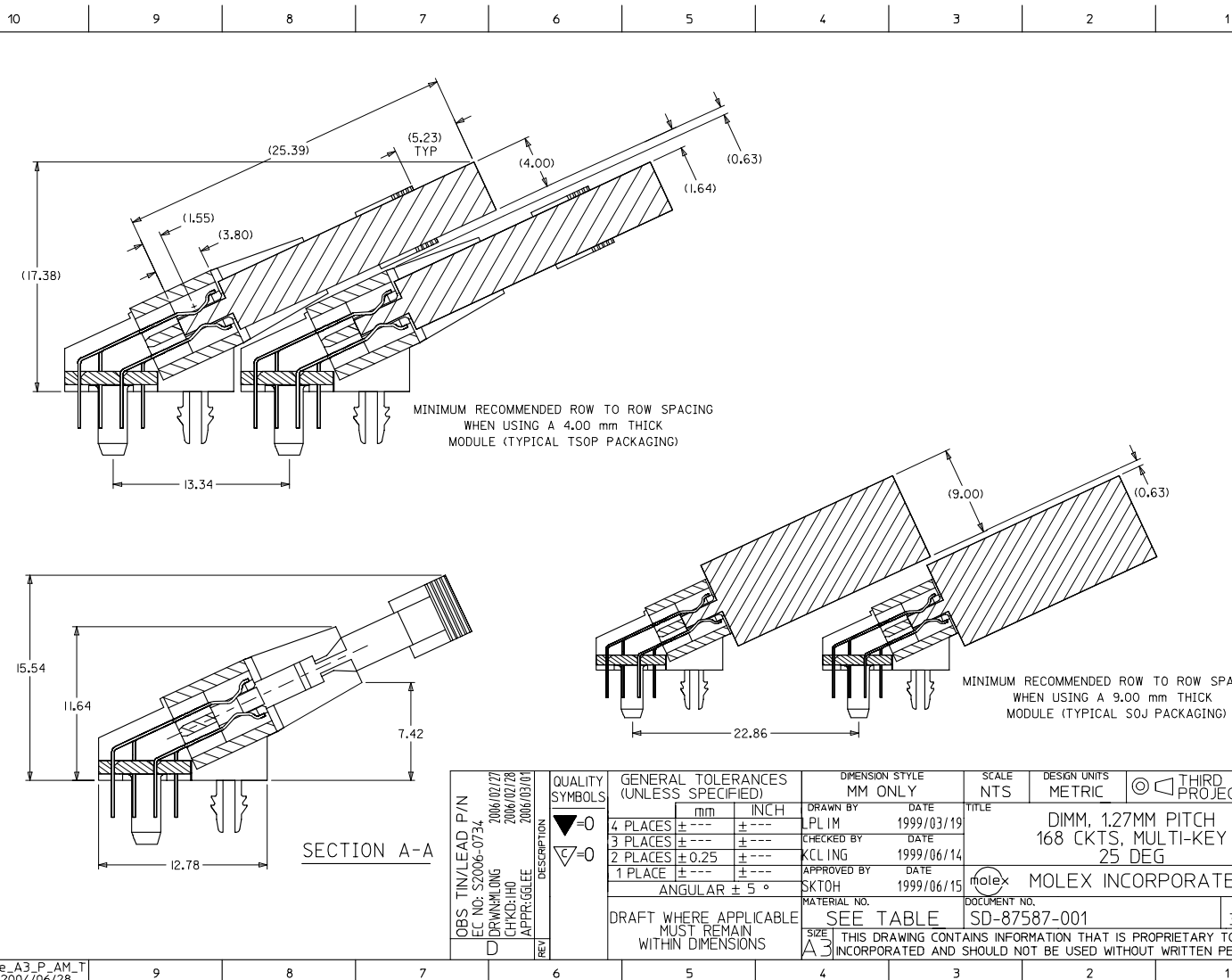
3. PRODUCT SPECIFICATIONS: PS-87587-007 FOR  
PERFORMANCE SPECIFICATIONS.

4. DATE CODE SHALL BE MARKED LEGIBLY AS SHOWN: XX XXX  
YEAR DAY

5. PART NUMBER SHALL BE MARKED LEGIBLY AS SHOWN: 87587-0XXX  
REFER TO THE TABLE

|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|-----|-----------------------------------|--------|------------|------------|------------|------------|-------------|-----|--------------------------------------------------|---------------------------------------|--|--|----------------------------|-------|----------|-------------|--------------|-----------------------------------------------------|--------------------|---------------------------|--|--|------------|
| OBS | TIN/LEAD P/N                      | EC NO. | S2006-0734 | 2006/02/27 | 2006/02/28 | 2006/03/01 | DESCRIPTION | REV | QUALITY SYMBOLS<br><div>▽=0</div> <div>▽=0</div> | GENERAL TOLERANCES (UNLESS SPECIFIED) |  |  | DIMENSION STYLE<br>MM ONLY |       | SCALE    | NTS         | DESIGN UNITS | METRIC                                              |                    | THIRD ANGLE<br>PROJECTION |  |  |            |
| D   | DRAWING<br>CHKD: IHO<br>APPD: GGL | REV    |            |            |            |            |             |     |                                                  |                                       |  |  | mm                         | INCH  | DRAWN BY | DATE        | TITLE        | DIMM, 1.27MM PITCH<br>168 CKTS. MULTI-KEY<br>25 DEG |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  | 4 PLACES                   | ±---  | ±---     | LPLIM       |              |                                                     |                    |                           |  |  | 1999/03/19 |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  | 3 PLACES                   | ±---  | ±---     | CHECKED BY  |              |                                                     |                    |                           |  |  | DATE       |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  | 2 PLACES                   | ±0.25 | ±---     | KCLING      |              |                                                     |                    |                           |  |  | 1999/06/14 |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  | 1 PLACE                    | ±---  | ±---     | APPROVED BY | DATE         |                                                     | MOLEX INCORPORATED |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       | SKTOH    | 1999/06/15  |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |
|     |                                   |        |            |            |            |            |             |     |                                                  |                                       |  |  |                            |       |          |             |              |                                                     |                    |                           |  |  |            |





|                   |  |             |  |            |  |            |  |                 |  |                                       |  |                               |  |                                                                                                                               |  |                          |  |                           |  |
|-------------------|--|-------------|--|------------|--|------------|--|-----------------|--|---------------------------------------|--|-------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------|--|--------------------------|--|---------------------------|--|
| OBS. TIN/LEAD P/N |  | 2006/02/27  |  | 2006/02/28 |  | 2006/03/01 |  | QUALITY SYMBOLS |  | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY    |  | SCALE<br>NTS                                                                                                                  |  | DESIGN UNITS<br>METRIC   |  | THIRD ANGLE<br>PROJECTION |  |
| EC NO. S2006-0734 |  | DRAWN/MLONG |  | CHKD: IHO  |  | APPR: GGLE |  | DESCRIPTION     |  | <div>▽=0</div> <div>▽=0</div>         |  | <div>mm</div> <div>INCH</div> |  | DRAWN BY<br>DATE                                                                                                              |  | TITLE                    |  |                           |  |
|                   |  |             |  |            |  |            |  |                 |  | 4 PLACES ± --- ± ---                  |  | LPLIM 1999/03/19              |  |                                                                                                                               |  | DIMM, 1.27MM PITCH       |  |                           |  |
|                   |  |             |  |            |  |            |  |                 |  | 3 PLACES ± --- ± ---                  |  | CHECKED BY<br>DATE            |  |                                                                                                                               |  | 168 CKTS, MULTI-KEY      |  |                           |  |
|                   |  |             |  |            |  |            |  |                 |  | 2 PLACES ± 0.25 ± ---                 |  | KCLING 1999/06/14             |  |                                                                                                                               |  | 25 DEG                   |  |                           |  |
|                   |  |             |  |            |  |            |  |                 |  | 1 PLACE ± --- ± ---                   |  | APPROVED BY<br>DATE           |  |                                                                                                                               |  | MOLEX MOLEX INCORPORATED |  |                           |  |
|                   |  |             |  |            |  |            |  |                 |  | ANGULAR ± 5 °                         |  | SKTOH 1999/06/15              |  |                                                                                                                               |  |                          |  |                           |  |
|                   |  |             |  |            |  |            |  |                 |  | DRAFT WHERE APPLICABLE                |  | MATERIAL NO.                  |  | DOCUMENT NO.                                                                                                                  |  |                          |  | SHEET NO.                 |  |
|                   |  |             |  |            |  |            |  |                 |  | MUST REMAIN                           |  | SEE TABLE                     |  | SD-87587-001                                                                                                                  |  |                          |  | 3 OF 4                    |  |
|                   |  |             |  |            |  |            |  |                 |  | WITHIN DIMENSIONS                     |  | SIZE A                        |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                          |  |                           |  |

10 9 8 7 6 5 4 3 2 1

| PART NUMBER | FUNCTION KEY | DATUM VOLTAGE KEY | TAIL LENGTH P±0.25 | FINISHES: CONTACT AREA                                                        |
|-------------|--------------|-------------------|--------------------|-------------------------------------------------------------------------------|
| 87587-2048  | LEFT         | CENTER (3,3V)     | 2.79               | SELECTIVE GOLD<br>0.38um/15u" MIN.<br>GOLD OVER<br>1.27um/50u" MIN.<br>NICKEL |
| 87587-2049  | CENTER       |                   |                    |                                                                               |
| 87587-2050  | RIGHT        |                   |                    |                                                                               |
| 87587-2057  | LEFT         |                   | 3.18               |                                                                               |
| 87587-2058  | CENTER       |                   |                    |                                                                               |
| 87587-2059  | RIGHT        |                   |                    | SELECTIVE GOLD<br>0.76um/30u" MIN.<br>GOLD OVER<br>1.27um/50u" MIN.<br>NICKEL |
| 87587-2148  | LEFT         |                   | 2.79               |                                                                               |
| 87587-2149  | CENTER       |                   |                    |                                                                               |
| 87587-2150  | RIGHT        |                   |                    |                                                                               |
| 87587-2157  | LEFT         |                   | 3.18               |                                                                               |
| 87587-2158  | CENTER       |                   |                    |                                                                               |
| 87587-2159  | RIGHT        |                   |                    |                                                                               |

| OBS TIN/LEAD P/N  |  | QUALITY SYMBOLS |  | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS                                                                                                                  |  | DESIGN UNITS<br>METRIC                              |  | THIRD ANGLE<br>PROJECTION |  |
|-------------------|--|-----------------|--|------------------------------------------------------------|--|----------------------------|--|-------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------|--|---------------------------|--|
| EC NO: S2006-0734 |  | ▽=0             |  | mm INCH                                                    |  | DRAWN BY DATE              |  | TITL                                                                                                                          |  | DIMM, 1.27MM PITCH<br>168 CKTS, MULTI-KEY<br>25 DEG |  | MOLEX MOLEX INCORPORATED  |  |
| DRAWN/MLG         |  | ▽=0             |  | 4 PLACES ± --- ± ---                                       |  | LPL IM 1999/03/19          |  |                                                                                                                               |  |                                                     |  |                           |  |
| CHKD:JHO          |  |                 |  | 3 PLACES ± --- ± ---                                       |  | CHECKED BY DATE            |  |                                                                                                                               |  |                                                     |  |                           |  |
| APPR:GJLEE        |  |                 |  | 2 PLACES ± 0.25 ± ---                                      |  | KCL ING 1999/06/14         |  |                                                                                                                               |  |                                                     |  |                           |  |
|                   |  |                 |  | 1 PLACE ± --- ± ---                                        |  | APPROVED BY DATE           |  |                                                                                                                               |  |                                                     |  |                           |  |
|                   |  |                 |  | ANGULAR ± 5 °                                              |  | SKTOH 1999/06/15           |  |                                                                                                                               |  |                                                     |  |                           |  |
|                   |  |                 |  | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |  | MATERIAL NO.               |  | DOCUMENT NO.                                                                                                                  |  |                                                     |  | SHEET NO.                 |  |
|                   |  |                 |  |                                                            |  | SEE TABLE                  |  | SD-87587-001                                                                                                                  |  |                                                     |  | 4 OF 4                    |  |
|                   |  |                 |  |                                                            |  | SIZE                       |  |                                                                                                                               |  |                                                     |  |                           |  |
|                   |  |                 |  |                                                            |  | A3                         |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                                                     |  |                           |  |

9 8 7 6 5 4 3 2 1