

## Excellent Integrated System Limited

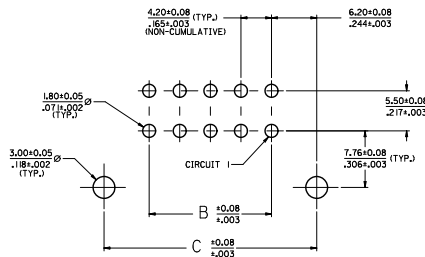
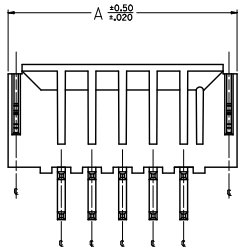
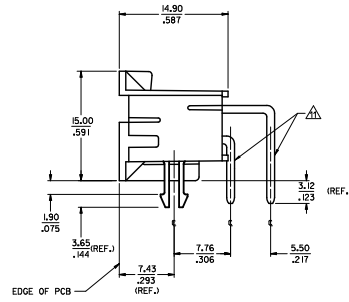
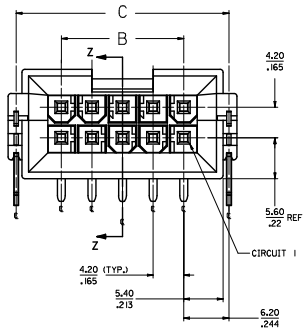
Stocking Distributor

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

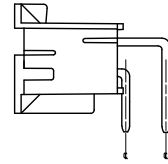
[Molex Connector Corporation](#)  
[0438100210](#)

For any questions, you can email us directly:

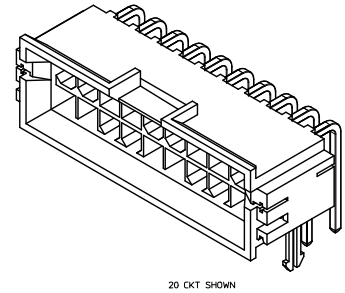
[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)



**PCB LAYOUT: COMPONENT SIDE**  
RECOMMENDED PCB THICKNESS: .063±.007



**HEADER ASSEMBLY  
WITH NO CLIP OPTION**



**NOTES**

- 1) MATERIALS  
HOUSING: NYLON 4/6 UL 94V-0 GLASS FILLED, COLOR: BLACK  
TERMINAL: BRASS  
BOARD RETENTION CLIP: BRASS
- 2) FINISHES:  
TERMINAL:  
1-0.002541/0.00100 MIN. BRIGHT TIN OVER  
0.001271/0.00050 MIN. NICKEL  
2-0.000761/0.00030 MIN. SELECT GOLD AND  
0.002541/0.00100 MIN. SELECT MATTE TIN  
OVER 0.001271/0.00050 MIN. NICKEL OVERALL  
MOUNTING CLIP:  
0.002541/0.00100 MIN. MATTE TIN OVER  
0.001271/0.00050 MIN. NICKEL
- 3) PRODUCT SPECIFICATION: PS-43810-001
- 4) PACKAGING SPECIFICATION: PK-43810-001
- 5) PARTS MATES WITH MOLEX RECEPTACLE #5557 AND #42474 AND #42385 HEADER
- 6) PART ALLOWS FOR (1271/050) MAX MS-ALIGNMENT WITH MATING HOUSINGS IN ANY DIRECTION
- 7) CONNECTOR ASSEMBLIES ARE NOT TO BE MATED AND UNMATED WHILE CIRCUITS ARE LIVE
- 8) PARTS ARE NOT DESIGNED FOR CURRENT SHARING
- 9) DISCOLORATION IN THE BANDOLIER CARRIER AREA OF THE PIN IS INHERENT TO THE PLATING PROCESS AND IS DUE TO THE MASKING EFFECT OF THE CARRIER. THIS DISCOLORATION IS IN A NON-FUNCTIONAL AREA OF THE PIN AND WILL NOT AFFECT THE PERFORMANCE OF THE HEADER ASSEMBLY.
- 10) PART CONFORMS TO CLASS "B" REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002
- 11) FORMING MARKS ARE ACCEPTABLE

| QUALITY SYMBOLS                                      |  | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE |  | SCALE       |  | DESIGN UNITS                                                                                                                  |  | THIRD ANGLE PROJECTION  |  |
|------------------------------------------------------|--|---------------------------------------|--|-----------------|--|-------------|--|-------------------------------------------------------------------------------------------------------------------------------|--|-------------------------|--|
|                                                      |  |                                       |  | MM/IN           |  | 4:1         |  | METRIC                                                                                                                        |  |                         |  |
| 4 PLACES ±---                                        |  | mm                                    |  | INCH            |  | DRAWN BY    |  | DATE                                                                                                                          |  | TITLE                   |  |
| 3 PLACES ±---                                        |  | ±---                                  |  | ±---            |  | MANLAPAZ    |  | 01-06-97                                                                                                                      |  | MINI-FIT JR BM          |  |
| 2 PLACES ±0.25                                       |  | ±0.01                                 |  | ±0.01           |  | BANDURA     |  | 03-26-97                                                                                                                      |  | RIGHT ANGLE HEADER ASM. |  |
| 1 PLACE ±0.35                                        |  | ±---                                  |  | ±---            |  | APPROVED BY |  | DATE                                                                                                                          |  | MOLEX INCORPORATED      |  |
| ANGULAR ±1/2°                                        |  | ±---                                  |  | ±---            |  | FSMITH      |  | 2012/01/19                                                                                                                    |  | SD-43810-011            |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |  | SEE CHART                             |  | MATERIAL NO.    |  | SIZE        |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  | SHEET NO. 1 OF 2        |  |

|                                          |              |              |             |                |                |                |        |    |              |              |             |                |                |                |        |   |   |   |   |   |  |
|------------------------------------------|--------------|--------------|-------------|----------------|----------------|----------------|--------|----|--------------|--------------|-------------|----------------|----------------|----------------|--------|---|---|---|---|---|--|
|                                          | 20           | 19           | 18          | 17             | 16             | 15             | 14     | 13 | 12           | 11           | 10          | 9              | 8              | 7              | 6      | 5 | 4 | 3 | 2 | 1 |  |
|                                          | MATERIAL NO. | CIRCUIT SIZE | CLIP OPTION | DIM. 14"       | DIM. 19"       | DIM. 20"       | FINISH |    | MATERIAL NO. | CIRCUIT SIZE | CLIP OPTION | DIM. 14"       | DIM. 19"       | DIM. 20"       | FINISH |   |   |   |   |   |  |
| H                                        | 438 10-0001  | 4            | YES         | 18.81<br>-740  | 4.20<br>-165   | 16.60<br>-653  | I      |    | 438 10-0199  | 4            | NO          | 18.81<br>-740  | 4.20<br>-165   | 16.60<br>-653  | I      |   |   |   |   |   |  |
|                                          | 438 10-0002  | 6            | YES         | 23.01<br>-906  | 8.40<br>-331   | 20.80<br>-819  | I      |    | 438 10-0200  | 6            | NO          | 23.01<br>-906  | 8.40<br>-331   | 20.80<br>-819  | I      |   |   |   |   |   |  |
| N                                        | 438 10-0003  | 8            | YES         | 27.21<br>-1071 | 12.60<br>-496  | 25.00<br>-984  | I      | N  | 438 10-0201  | 8            | NO          | 27.21<br>-1071 | 12.60<br>-496  | 25.00<br>-984  | I      |   |   |   |   |   |  |
| L                                        | 438 10-0004  | 10           | YES         | 31.41<br>-1237 | 16.80<br>-661  | 29.20<br>-1150 | I      |    | 438 10-0202  | 10           | NO          | 31.41<br>-1237 | 16.80<br>-661  | 29.20<br>-1150 | I      |   |   |   |   |   |  |
| N                                        | 438 10-0005  | 12           | YES         | 35.61<br>-1402 | 21.00<br>-828  | 33.40<br>-1315 | I      | N  | 438 10-0203  | 12           | NO          | 35.61<br>-1402 | 21.00<br>-828  | 33.40<br>-1315 | I      |   |   |   |   |   |  |
| K                                        | 438 10-0006  | 14           | YES         | 39.81<br>-1567 | 25.20<br>-992  | 37.60<br>-1480 | I      |    | 438 10-0204  | 14           | NO          | 39.81<br>-1567 | 25.20<br>-992  | 37.60<br>-1480 | I      |   |   |   |   |   |  |
| N                                        | 438 10-0007  | 16           | YES         | 44.01<br>-1733 | 29.40<br>-1157 | 41.80<br>-1646 | I      | N  | 438 10-0205  | 16           | NO          | 44.01<br>-1733 | 29.40<br>-1157 | 41.80<br>-1646 | I      |   |   |   |   |   |  |
|                                          | 438 10-0008  | 18           | YES         | 48.21<br>-1898 | 33.60<br>-1323 | 46.00<br>-1811 | I      |    | 438 10-0206  | 18           | NO          | 48.21<br>-1898 | 33.60<br>-1323 | 46.00<br>-1811 | I      |   |   |   |   |   |  |
| N                                        | 438 10-0009  | 20           | YES         | 52.41<br>-2063 | 37.80<br>-1488 | 50.20<br>-1976 | I      | N  | 438 10-0207  | 20           | NO          | 52.41<br>-2063 | 37.80<br>-1488 | 50.20<br>-1976 | I      |   |   |   |   |   |  |
| J                                        | 438 10-0010  | 22           | YES         | 56.61<br>-2229 | 42.00<br>-1654 | 54.40<br>-2142 | I      | N  | 438 10-0208  | 22           | NO          | 56.61<br>-2229 | 42.00<br>-1654 | 54.40<br>-2142 | I      |   |   |   |   |   |  |
|                                          | 438 10-0011  | 24           | YES         | 60.81<br>-2394 | 46.20<br>-1819 | 58.60<br>-2307 | I      |    | 438 10-0209  | 24           | NO          | 60.81<br>-2394 | 46.20<br>-1819 | 58.60<br>-2307 | I      |   |   |   |   |   |  |
|                                          | 438 10-0012  | 4            | YES         | 18.81<br>-740  | 4.20<br>-165   | 16.60<br>-653  | 2      |    | 438 10-0210  | 4            | NO          | 18.81<br>-740  | 4.20<br>-165   | 16.60<br>-653  | 2      |   |   |   |   |   |  |
| I                                        | 438 10-0013  | 6            | YES         | 23.01<br>-906  | 8.40<br>-331   | 20.80<br>-819  | 2      |    | 438 10-0211  | 6            | NO          | 23.01<br>-906  | 8.40<br>-331   | 20.80<br>-819  | 2      |   |   |   |   |   |  |
| N                                        | 438 10-0014  | 8            | YES         | 27.21<br>-1071 | 12.60<br>-496  | 25.00<br>-984  | 2      | N  | 438 10-0212  | 8            | NO          | 27.21<br>-1071 | 12.60<br>-496  | 25.00<br>-984  | 2      |   |   |   |   |   |  |
|                                          | 438 10-0015  | 10           | YES         | 31.41<br>-1237 | 16.80<br>-661  | 29.20<br>-1150 | 2      |    | 438 10-0213  | 10           | NO          | 31.41<br>-1237 | 16.80<br>-661  | 29.20<br>-1150 | 2      |   |   |   |   |   |  |
| H                                        | 438 10-0016  | 12           | YES         | 35.61<br>-1402 | 21.00<br>-828  | 33.40<br>-1315 | 2      | N  | 438 10-0214  | 12           | NO          | 35.61<br>-1402 | 21.00<br>-828  | 33.40<br>-1315 | 2      |   |   |   |   |   |  |
|                                          | 438 10-0017  | 14           | YES         | 39.81<br>-1567 | 25.20<br>-992  | 37.60<br>-1480 | 2      |    | 438 10-0215  | 14           | NO          | 39.81<br>-1567 | 25.20<br>-992  | 37.60<br>-1480 | 2      |   |   |   |   |   |  |
| G                                        | 438 10-0018  | 16           | YES         | 44.01<br>-1733 | 29.40<br>-1157 | 41.80<br>-1646 | 2      | N  | 438 10-0216  | 16           | NO          | 44.01<br>-1733 | 29.40<br>-1157 | 41.80<br>-1646 | 2      |   |   |   |   |   |  |
|                                          | 438 10-0019  | 18           | YES         | 48.21<br>-1898 | 33.60<br>-1323 | 46.00<br>-1811 | 2      |    | 438 10-0217  | 18           | NO          | 48.21<br>-1898 | 33.60<br>-1323 | 46.00<br>-1811 | 2      |   |   |   |   |   |  |
| N                                        | 438 10-0020  | 20           | YES         | 52.41<br>-2063 | 37.80<br>-1488 | 50.20<br>-1976 | 2      | N  | 438 10-0218  | 20           | NO          | 52.41<br>-2063 | 37.80<br>-1488 | 50.20<br>-1976 | 2      |   |   |   |   |   |  |
|                                          | 438 10-0021  | 22           | YES         | 56.61<br>-2229 | 42.00<br>-1654 | 54.40<br>-2142 | 2      | N  | 438 10-0219  | 22           | NO          | 56.61<br>-2229 | 42.00<br>-1654 | 54.40<br>-2142 | 2      |   |   |   |   |   |  |
| F                                        | 438 10-0022  | 24           | YES         | 60.81<br>-2394 | 46.20<br>-1819 | 58.60<br>-2307 | 2      |    | 438 10-0220  | 24           | NO          | 60.81<br>-2394 | 46.20<br>-1819 | 58.60<br>-2307 | 2      |   |   |   |   |   |  |
| N = NOT TOOLED                           |              |              |             |                |                |                |        |    |              |              |             |                |                |                |        |   |   |   |   |   |  |
| N = NOT TOOLED                           |              |              |             |                |                |                |        |    |              |              |             |                |                |                |        |   |   |   |   |   |  |
| E                                        |              |              |             |                |                |                |        |    |              |              |             |                |                |                |        |   |   |   |   |   |  |
| D                                        |              |              |             |                |                |                |        |    |              |              |             |                |                |                |        |   |   |   |   |   |  |
| C                                        |              |              |             |                |                |                |        |    |              |              |             |                |                |                |        |   |   |   |   |   |  |
| B                                        |              |              |             |                |                |                |        |    |              |              |             |                |                |                |        |   |   |   |   |   |  |
| A                                        |              |              |             |                |                |                |        |    |              |              |             |                |                |                |        |   |   |   |   |   |  |
| ID: Frame 0_P_Alt 1<br>Rev. 1 2009/06/17 |              |              |             |                |                |                |        |    |              |              |             |                |                |                |        |   |   |   |   |   |  |

|                                                                                                                                |                 |                                                      |                     |       |              |             |                                                                                          |                     |
|--------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------------------------------|---------------------|-------|--------------|-------------|------------------------------------------------------------------------------------------|---------------------|
| SEE SHEET 1<br>EC No. LEF2002-550<br>H DOWNINGTON<br>CHKO-BELL<br>APPROVAL<br>REV. 1<br>2010/01/20<br>2010/01/20<br>2010/01/20 | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED)                | DIMENSION STYLE     | SCALE | DESIGN UNITS | THIRD ANGLE | MINI-FIT JR BMI<br>RIGHT ANGLE HEADER ASM.<br>FOR 1.6/063 THK. PCB<br>MOLEX INCORPORATED | SHEET NO.<br>2 OF 2 |
|                                                                                                                                | ▽=0             | mm INCH                                              | MM/IN               | 1:1   | METRIC       | PROJECTION  |                                                                                          |                     |
|                                                                                                                                | ▽=0             | 4 PLACES ± --- ± ---                                 | DRAWN BY DATE       | TITLE |              |             |                                                                                          |                     |
|                                                                                                                                | ▽=0             | 2 PLACES ± 0.25 ± 0.014                              | CHECKED BY DATE     |       |              |             |                                                                                          |                     |
|                                                                                                                                | ▽=0             | 1 PLACE ± 0.35 ± ---                                 | BANDURA 03-26-97    |       |              |             |                                                                                          |                     |
|                                                                                                                                |                 | ANGULAR ±1/2°                                        | APPROVED BY DATE    |       |              |             |                                                                                          |                     |
|                                                                                                                                |                 |                                                      | F. SMITH 2012/01/19 |       |              |             |                                                                                          |                     |
|                                                                                                                                |                 | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | SEE CHART           |       |              |             |                                                                                          |                     |
|                                                                                                                                |                 |                                                      | SIZE D              |       |              |             |                                                                                          |                     |

|                                                                                                                                       |                                      |                                       |                       |                                                            |       |              |                        |                                                                                                              |                                                                                                                                  |  |                     |              |
|---------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------|-----------------------|------------------------------------------------------------|-------|--------------|------------------------|--------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|--|---------------------|--------------|
| SEE SHEET 1<br>EC NO. UEP202-560<br>2012/01/20<br>DRAWING/EN<br>H<br>CHKD-BELL<br>2012/01/20<br>APPROVED/EN<br>H<br>2012/01/20<br>REV | QUALITY SYMBOLS<br>▽=0<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) |                       | DIMENSION STYLE<br>MM/MIN                                  |       | SCALE<br>1:1 | DESIGN UNITS<br>METRIC |  THIRD ANGLE PROJECTION | TITLE                                                                                                                            |  | SHEET NO.<br>2 OF 2 |              |
|                                                                                                                                       |                                      | 4 PLACES ± --- ± ---                  | DRAWN BY<br>MAN/APAZ  | DATE<br>01-06-97                                           | MOLEX |              |                        |                                                                                                              | MIN-FIT JR BM<br>RIGHT ANGLE HEADER ASM.<br>FOR 1.6/0.63 THK. PCB<br>MOLEX INCORPORATED                                          |  |                     |              |
|                                                                                                                                       |                                      | 3 PLACES ± --- ± .010                 | CHECKED BY<br>BANDURA | DATE<br>03-26-97                                           |       |              |                        |                                                                                                              |                                                                                                                                  |  |                     |              |
|                                                                                                                                       |                                      | 2 PLACES ± 0.25 ± .014                | APPROVED BY<br>FSM/TH | DATE<br>2012/01/19                                         |       |              |                        |                                                                                                              |                                                                                                                                  |  |                     |              |
|                                                                                                                                       |                                      | 1 PLACE ± 0.35 ± ---                  | SEE CHART             |                                                            |       |              |                        |                                                                                                              |                                                                                                                                  |  |                     | SD-43810-011 |
|                                                                                                                                       |                                      | ANGULAR ± 1/2°                        |                       | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |       | SIZE<br>D    |                        |                                                                                                              | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                     |              |