

## Excellent Integrated System Limited

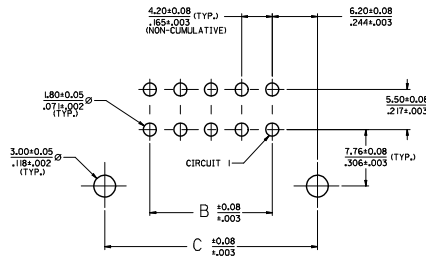
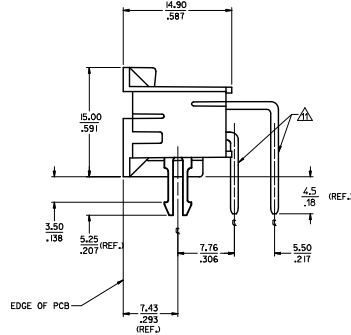
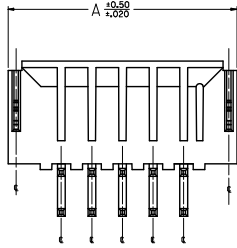
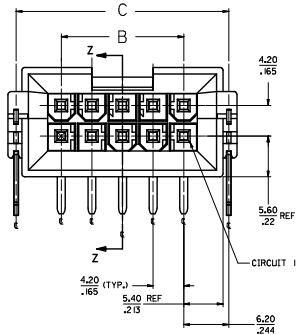
Stocking Distributor

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

[Molex Connector Corporation](#)  
[0438100341](#)

For any questions, you can email us directly:

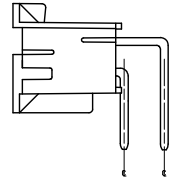
[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)



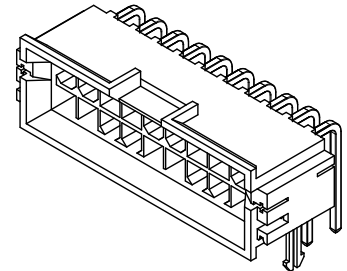
PCB LAYOUTS COMPONENT SIDE  
RECOMMENDED PCB THICKNESS: 3.175 (+.0.18, -.125) (+.007)

**NOTES**

- 1) MATERIALS:  
HOUSING: NYLON 4/6 UL 94V-0 GLASS FILLED, COLOR: BLACK  
TERMINAL: BRASS  
BOARD RETENTION CLIP: BRASS
- 2) FINISHES:  
TERMINAL:  
1-(0.00254)/.000100 MIN. BRIGHT TIN OVER  
(0.00127)/.000050 MIN. NICKEL  
2-(0.00076)/.000030 MIN. SELECT GOLD AND  
(0.00254)/.000100 MIN. SELECT MATTE TIN  
OVER (0.00127)/.000050 MIN. NICKEL OVERALL  
MOUNTING CLIP:  
(0.00254)/.000100 MIN. MATTE TIN OVER  
(0.00127)/.000050 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 (1.27)/.050 MAX MIS-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



HEADER ASSEMBLY  
WITH NO CLIP OPTION



20 CKT SHOWN

| CORRECT TAIL LENGTH | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED)                | DIMENSION STYLE |       | SCALE | DESIGN UNITS | THIRD ANGLE PROJECTION                                                                                                        |
|---------------------|-----------------|------------------------------------------------------|-----------------|-------|-------|--------------|-------------------------------------------------------------------------------------------------------------------------------|
|                     |                 |                                                      | MM              | INCH  |       |              |                                                                                                                               |
| EC NO. 102706-0526  | ✓=0             | 4 PLACES ±.000                                       | ±.000           | ±.000 | 4:1   | METRIC       | MINI-FIT JR BM                                                                                                                |
| EC NO. 102706-0526  | ✓=0             | 3 PLACES ±.001                                       | ±.001           | ±.001 | 4:1   | METRIC       | RIGHT ANGLE HEADER ASM                                                                                                        |
| EC NO. 102706-0526  | ✓=0             | 2 PLACES ±.002                                       | ±.002           | ±.002 | 4:1   | METRIC       | FOR 3.175/.125 THK. PCB                                                                                                       |
| EC NO. 102706-0526  | ✓=0             | 1 PLACE ±.005                                        | ±.005           | ±.005 | 4:1   | METRIC       | MOLEX INCORPORATED                                                                                                            |
| EC NO. 102706-0526  | ✓=0             | ANGULAR ±1/2°                                        | ±1/2°           | ±1/2° | 4:1   | METRIC       | SD-43810-051                                                                                                                  |
| EC NO. 102706-0526  | ✓=0             | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |                 |       | 4:1   | METRIC       | 1 OF 2                                                                                                                        |
| EC NO. 102706-0526  | ✓=0             |                                                      |                 |       | 4:1   | METRIC       | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |

|                                                              |                 |                                                                                                                                                            |                       |                    |                       |                        |
|--------------------------------------------------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------|-----------------------|------------------------|
| SEE SHEET 1<br>DRAWN BY<br>CHECKED BY<br>APPROVED BY<br>DATE | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                                      | DIMENSION STYLE       | TITLE              | DESIGN NOTES          | THIRD ANGLE PROJECTION |
|                                                              |                 | <u>Metric</u>                                                                                                                                              | <u>MM/MIN</u>         | <u>11</u>          | <u>Metric</u>         |                        |
|                                                              | ▽               | <u>mm</u>                                                                                                                                                  | DRAWN BY<br>HIAN PAZ  | DATE<br>01-06-97   | MINI-FIT JR BMI       |                        |
|                                                              | ▽               | <u>.010</u>                                                                                                                                                | CHECKED BY<br>GANDARA | DATE<br>03-07-97   | RIGHT ANGLE BEVEL ASM |                        |
|                                                              | ▽               | <u>0.35</u>                                                                                                                                                | APPROVED BY<br>FSMITH | DATE<br>2012/01/19 | R172/125 PCB PCB      |                        |
|                                                              | ▽               | ANGULAR ±1/2°                                                                                                                                              | REVISED BY<br>MEXTRA  | DATE<br>2012/01/19 | MOLEX INCORPORATED    |                        |
| DRAFT WHEN APPLICABLE                                        |                 | SEE CHART                                                                                                                                                  |                       | SD-43810-05        |                       | SHEET NO.              |
| WITHIN DIMENSIONS                                            |                 | THIS DRAWS CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE REPRODUCED OR WRITTEN WITHOUT PERMISSION OF MOLEX INCORPORATED |                       |                    |                       | 2 OF 2                 |