

## Excellent Integrated System Limited

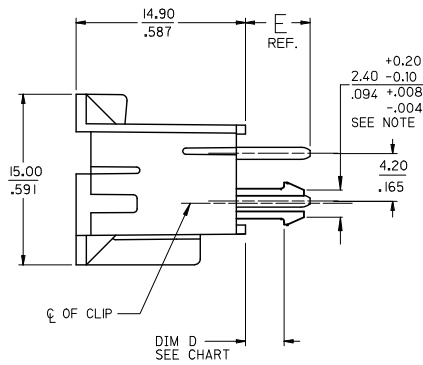
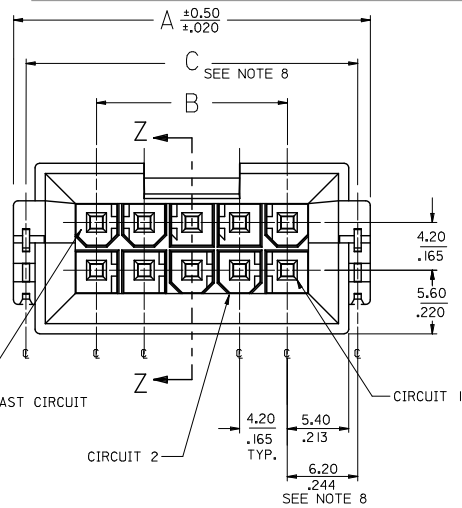
Stocking Distributor

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

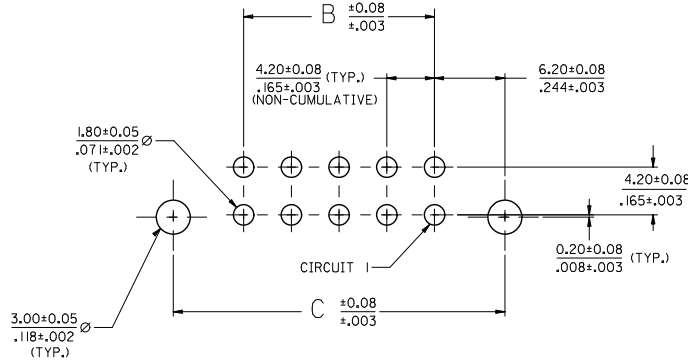
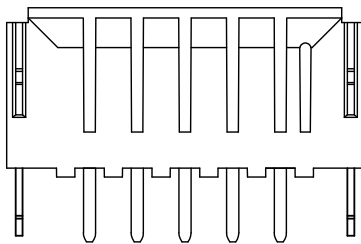
[Molex Connector Corporation](#)  
[0440680033](#)

For any questions, you can email us directly:

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



- 1) MATERIALS:  
HOUSING: PA46 FILLED, UL94V-0, COLOR: BLACK  
TERMINAL: BRASS  
BOARD RETENTION CLIP: BRASS
- 2) FINISHES:  
1 = 0.00254/(0.000100) MIN TIN OVER NICKEL  
2 = 0.00076/(0.000030) MIN. SELECT GOLD AND 0.00254/(0.000100) MIN. SELECT MATTE TIN OVER 0.00127/(0.000050) MIN. NICKEL OVERALL
- 3) PRODUCT SPECIFICATIONS: PS-43810-001
- 4) PACKAGING SPECIFICATIONS: PK-43879-001
- 5) PART MATES WITH MOLEX RECEPTACLE SERIES 5557, 42474 AND 44516 AND HEADER SERIES 42385.
- 6) PART ALLOWS FOR 1.27/.050 MAX. MISALIGNMENT WITH MATING HOUSINGS IN ANY DIRECTION.
- 7) CONNECTOR ASSEMBLIES ARE NOT TO BE MATED AND UNMATED WHILE CIRCUITS ARE LIVE.
- 8) THIS DIMENSION DOES NOT APPLY TO PARTS WITHOUT P.C. BOARD RETENTION CLIPS.
- 9) PARTS CONFORM TO CLASS 'B' REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002
- 10) 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.



PCB LAYOUT: COMPONENT SIDE

RECOMMENDED PCB THICKNESS: SEE CHART

| CKTS | DIM.<br>"A"    | DIM.<br>"B"    | DIM.<br>"C"    |
|------|----------------|----------------|----------------|
| 4    | 18.81<br>.740  | 4.20<br>.165   | 16.60<br>.653  |
| 6    | 23.01<br>.906  | 8.40<br>.331   | 20.80<br>.819  |
| 8    | 27.21<br>1.071 | 12.60<br>.496  | 25.00<br>.984  |
| 10   | 31.41<br>1.237 | 16.80<br>.661  | 29.20<br>1.150 |
| 12   | 35.61<br>1.402 | 21.00<br>.828  | 33.40<br>1.315 |
| 14   | 39.81<br>1.567 | 25.20<br>.992  | 37.60<br>1.480 |
| 16   | 44.01<br>1.733 | 29.40<br>1.157 | 41.80<br>1.646 |
| 18   | 48.21<br>1.898 | 33.60<br>1.323 | 46.00<br>1.811 |
| 20   | 52.41<br>2.063 | 37.80<br>1.488 | 50.20<br>1.976 |
| 22   | 56.61<br>2.229 | 42.00<br>1.654 | 54.40<br>2.142 |
| 24   | 60.81<br>2.394 | 46.20<br>1.819 | 58.60<br>2.307 |

|                                                                                                                 |                 |             |                                                            |          |        |        |                 |            |                                                                                                                                  |                    |                        |  |           |
|-----------------------------------------------------------------------------------------------------------------|-----------------|-------------|------------------------------------------------------------|----------|--------|--------|-----------------|------------|----------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------------|--|-----------|
| CHANGE CLIP DIM<br>EC NO: UCP202-3785<br>DRAWING DATE: 2012/05/17<br>CHKD: JELL<br>APPR: F. SMITH<br>2012/06/01 | QUALITY SYMBOLS | DESCRIPTION | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |          |        |        | DIMENSION STYLE |            | SCALE                                                                                                                            | DESIGN UNITS       | THIRD ANGLE PROJECTION |  |           |
|                                                                                                                 |                 |             | mm                                                         |          | INCH   |        | MM/IN           |            | 4:1                                                                                                                              | METRIC             |                        |  |           |
|                                                                                                                 |                 |             | ▽=0                                                        | 4 PLACES | ± .005 | ± .005 | DRAWN BY        | DATE       | MINI-FIT JR BMI SMC<br>VERTICAL HEADER ASM<br>VARIOUS BOARD THICKNESS                                                            |                    |                        |  |           |
|                                                                                                                 |                 |             | ▽=0                                                        | 3 PLACES | ± .010 | ± .010 | CHECKED BY      | DATE       |                                                                                                                                  |                    |                        |  |           |
|                                                                                                                 |                 |             | ▽=0                                                        | 2 PLACES | ± .025 | ± .014 | BANDURA         | 1997/12/06 |                                                                                                                                  |                    |                        |  |           |
|                                                                                                                 |                 |             | ▽=0                                                        | 1 PLACE  | ± .035 | ± .014 | APPROVED BY     | DATE       |                                                                                                                                  |                    |                        |  |           |
|                                                                                                                 |                 |             | ANGULAR ± 1/2°                                             |          |        |        | F. SMITH        |            | 2012/02/02                                                                                                                       | MOLEX INCORPORATED |                        |  |           |
|                                                                                                                 |                 |             | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |          |        |        | MATERIAL NO.    |            | DOCUMENT NO.                                                                                                                     |                    | SD-44068-031           |  | SHEET NO. |
|                                                                                                                 |                 |             |                                                            |          |        |        | SEE SHEET 2     |            |                                                                                                                                  |                    |                        |  | 1 OF 2    |
|                                                                                                                 |                 |             |                                                            |          |        |        | SIZE            |            | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                    |                        |  |           |
|                                                                                                                 |                 |             |                                                            |          |        |        |                 |            |                                                                                                                                  |                    |                        |  |           |

tb\_frame\_C\_P\_AM\_T  
Rev. F 2009/06/18