

## Excellent Integrated System Limited

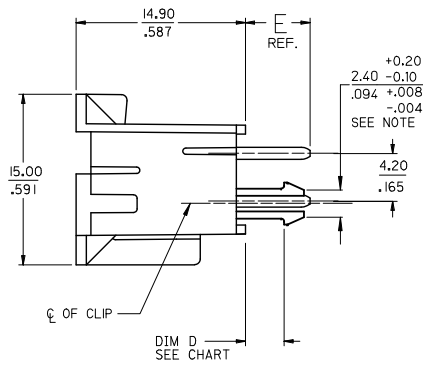
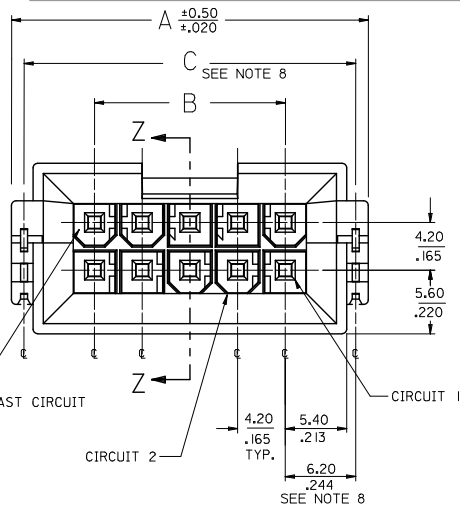
Stocking Distributor

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

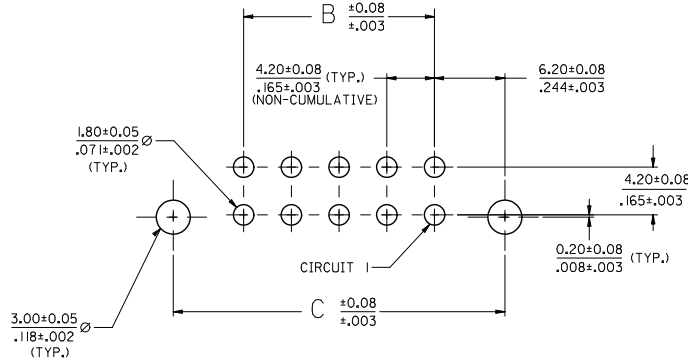
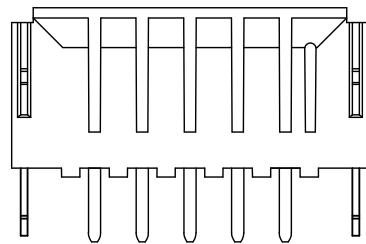
[Molex Connector Corporation](#)  
[0440680110](#)

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.

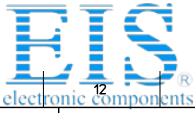


PCB LAYOUT: COMPONENT SIDE

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 2012/05/17<br>APPR: F SMITH 2012/06/01 | QUALITY SYMBOLS<br>▽=0<br>▽=0<br>▽=0 | DESCRIPTION | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |                        | DIMENSION STYLE<br>MM/IN |                    | SCALE<br>4:1                                                                                                                         | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION    | TITLE<br>MINI-FIT JR BMI SMC<br>VERTICAL HEADER ASM<br>VARIOUS BOARD THICKNESS<br><br>MOLEX INCORPORATED |                     |
|                                                                                                                        |                                      |             | mm                                                         | INCH                   | DRAWN BY<br>MANLAPAZ     | DATE<br>1997/12/04 |                                                                                                                                      |                        |                              |                                                                                                          |                     |
|                                                                                                                        |                                      |             | 4 PLACES ±.005 ±.005                                       | CHECKED BY<br>BANDURA  | DATE<br>1997/12/06       |                    |                                                                                                                                      |                        |                              |                                                                                                          |                     |
|                                                                                                                        |                                      |             | 3 PLACES ±.010 ±.010                                       | APPROVED BY<br>F SMITH | DATE<br>2012/02/02       |                    |                                                                                                                                      |                        |                              |                                                                                                          |                     |
|                                                                                                                        |                                      |             | 2 PLACES ±0.25 ±.014                                       |                        |                          |                    |                                                                                                                                      |                        |                              |                                                                                                          |                     |
|                                                                                                                        |                                      |             | 1 PLACE ±0.35 ±.014                                        |                        |                          |                    |                                                                                                                                      |                        |                              |                                                                                                          |                     |
|                                                                                                                        |                                      |             | ANGULAR ±1/2°                                              |                        |                          |                    |                                                                                                                                      |                        |                              |                                                                                                          |                     |
|                                                                                                                        |                                      |             | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                        |                          |                    | MATERIAL NO.<br>SD-44068-031                                                                                                         |                        | DOCUMENT NO.<br>SD-44068-031 |                                                                                                          | SHEET NO.<br>1 OF 2 |
|                                                                                                                        |                                      |             |                                                            |                        |                          |                    | SEE SHEET 2                                                                                                                          |                        |                              |                                                                                                          |                     |
|                                                                                                                        |                                      |             |                                                            |                        |                          |                    | SIZE C THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                        |                              |                                                                                                          |                     |



# Distributor of Molex Connector Corporation: Excellent Integrated System Limited

Datasheet of 0440680110 - MF SMC VERT HDR W/.125CLIP GOLD

Contact us: [sales@integrated-circuit.com](mailto:sales@integrated-circuit.com) Website: [www.integrated-circuit.com](http://www.integrated-circuit.com)

|                |  |                                 |  |                |  |                                 |  |                |  |                                 |  |
|----------------|--|---------------------------------|--|----------------|--|---------------------------------|--|----------------|--|---------------------------------|--|
| FINISH:        |  | 1 (SEE NOTE 2)                  |  | FINISH:        |  | 1 (SEE NOTE 2)                  |  | FINISH:        |  | 1 (SEE NOTE 2)                  |  |
| DIM. D:        |  | WITHOUT CLIP                    |  | DIM. D:        |  | $\frac{(1.79+0.25)}{.070+.010}$ |  | DIM. D:        |  | $\frac{(2.60+0.25)}{.102+.010}$ |  |
| DIM. E:        |  | $\frac{(3.30)}{.130}$ REF.      |  | DIM. E:        |  | $\frac{(3.30)}{.130}$ REF.      |  | DIM. E:        |  | $\frac{(4.50)}{.177}$ REF.      |  |
| PCB THICKNESS: |  | $\frac{(1.60+0.18)}{.063+.007}$ |  | PCB THICKNESS: |  | $\frac{(1.60+0.18)}{.063+.007}$ |  | PCB THICKNESS: |  | $\frac{(2.39+0.18)}{.094+.007}$ |  |
| CIRCUITS       |  | MATERIAL NO.                    |  | CIRCUITS       |  | MATERIAL NO.                    |  | CIRCUITS       |  | MATERIAL NO.                    |  |
| 04             |  | 44068-0023                      |  | 04             |  | 44068-0001                      |  | 04             |  | 44068-0045                      |  |
| 06             |  | 44068-0024                      |  | 06             |  | 44068-0002                      |  | 06             |  | 44068-0046                      |  |
| 08             |  | X 44068-0025                    |  | 08             |  | X 44068-0003                    |  | 08             |  | X 44068-0047                    |  |
| 10             |  | 44068-0026                      |  | 10             |  | 44068-0004                      |  | 10             |  | 44068-0048                      |  |
| 12             |  | X 44068-0027                    |  | 12             |  | X 44068-0005                    |  | 12             |  | X 44068-0049                    |  |
| 14             |  | 44068-0028                      |  | 14             |  | 44068-0006                      |  | 14             |  | 44068-0050                      |  |
| 16             |  | X 44068-0029                    |  | 16             |  | X 44068-0007                    |  | 16             |  | X 44068-0051                    |  |
| 18             |  | 44068-0030                      |  | 18             |  | 44068-0008                      |  | 18             |  | 44068-0052                      |  |
| 20             |  | X 44068-0031                    |  | 20             |  | X 44068-0009                    |  | 20             |  | X 44068-0053                    |  |
| 22             |  | X 44068-0032                    |  | 22             |  | X 44068-0010                    |  | 22             |  | X 44068-0054                    |  |
| 24             |  | 44068-0033                      |  | 24             |  | 44068-0011                      |  | 24             |  | 44068-0055                      |  |

|                |  |                                 |  |                |  |                                 |  |                |  |                                 |  |
|----------------|--|---------------------------------|--|----------------|--|---------------------------------|--|----------------|--|---------------------------------|--|
| FINISH:        |  | 2 (SEE NOTE 2)                  |  | FINISH:        |  | 2 (SEE NOTE 2)                  |  | FINISH:        |  | 2 (SEE NOTE 2)                  |  |
| DIM. D:        |  | WITHOUT CLIP                    |  | DIM. D:        |  | $\frac{(1.79+0.25)}{.070+.010}$ |  | DIM. D:        |  | $\frac{(2.60+0.25)}{.102+.010}$ |  |
| DIM. E:        |  | $\frac{(3.30)}{.130}$ REF.      |  | DIM. E:        |  | $\frac{(3.30)}{.130}$ REF.      |  | DIM. E:        |  | $\frac{(4.50)}{.177}$ REF.      |  |
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| CIRCUITS       |  | MATERIAL NO.                    |  | CIRCUITS       |  | MATERIAL NO.                    |  | CIRCUITS       |  | MATERIAL NO.                    |  |
| 04             |  | 44068-0034                      |  | 04             |  | 44068-0012                      |  | 04             |  | 44068-0056                      |  |
| 06             |  | 44068-0035                      |  | 06             |  | 44068-0013                      |  | 06             |  | 44068-0057                      |  |
| 08             |  | X 44068-0036                    |  | 08             |  | X 44068-0014                    |  | 08             |  | X 44068-0058                    |  |
| 10             |  | 44068-0037                      |  | 10             |  | 44068-0015                      |  | 10             |  | 44068-0059                      |  |
| 12             |  | X 44068-0038                    |  | 12             |  | X 44068-0016                    |  | 12             |  | X 44068-0060                    |  |
| 14             |  | 44068-0039                      |  | 14             |  | 44068-0017                      |  | 14             |  | 44068-0061                      |  |
| 16             |  | X 44068-0040                    |  | 16             |  | X 44068-0018                    |  | 16             |  | X 44068-0062                    |  |
| 18             |  | 44068-0041                      |  | 18             |  | 44068-0019                      |  | 18             |  | 44068-0063                      |  |
| 20             |  | X 44068-0042                    |  | 20             |  | X 44068-0020                    |  | 20             |  | X 44068-0064                    |  |
| 22             |  | X 44068-0043                    |  | 22             |  | X 44068-0021                    |  | 22             |  | X 44068-0065                    |  |
| 24             |  | 44068-0044                      |  | 24             |  | 44068-0022                      |  | 24             |  | 44068-0066                      |  |

|                |  |                                 |  |                |  |                                 |  |                |  |                                 |  |
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| DIM. D:        |  | WITHOUT CLIP                    |  | DIM. D:        |  | $\frac{(1.79+0.25)}{.070+.010}$ |  | DIM. D:        |  | $\frac{(2.60+0.25)}{.102+.010}$ |  |
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| CIRCUITS       |  | MATERIAL NO.                    |  | CIRCUITS       |  | MATERIAL NO.                    |  | CIRCUITS       |  | MATERIAL NO.                    |  |
| 04             |  | 44068-0034                      |  | 04             |  | 44068-0012                      |  | 04             |  | 44068-0100                      |  |
| 06             |  | 44068-0035                      |  | 06             |  | 44068-0013                      |  | 06             |  | 44068-0101                      |  |
| 08             |  | X 44068-0036                    |  | 08             |  | X 44068-0014                    |  | 08             |  | X 44068-0102                    |  |
| 10             |  | 44068-0037                      |  | 10             |  | 44068-0015                      |  | 10             |  | 44068-0103                      |  |
| 12             |  | X 44068-0038                    |  | 12             |  | X 44068-0016                    |  | 12             |  | X 44068-0104                    |  |
| 14             |  | 44068-0039                      |  | 14             |  | 44068-0017                      |  | 14             |  | 44068-0105                      |  |
| 16             |  | X 44068-0040                    |  | 16             |  | X 44068-0018                    |  | 16             |  | X 44068-0106                    |  |
| 18             |  | 44068-0041                      |  | 18             |  | 44068-0019                      |  | 18             |  | 44068-0107                      |  |
| 20             |  | X 44068-0042                    |  | 20             |  | X 44068-0020                    |  | 20             |  | X 44068-0108                    |  |
| 22             |  | X 44068-0043                    |  | 22             |  | X 44068-0021                    |  | 22             |  | X 44068-0109                    |  |
| 24             |  | 44068-0044                      |  | 24             |  | 44068-0022                      |  | 24             |  | 44068-0110                      |  |

|                                                                                                                                  |             |                 |                                                            |       |                 |            |                           |                              |                                                                                                              |                                                                                                      |                                                                                                                                  |  |
|----------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------|------------------------------------------------------------|-------|-----------------|------------|---------------------------|------------------------------|--------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|--|
| SEE SHEET 1<br>EC NO: UCP2012-3785<br>G DRWNINGUEN<br>2012/05/17<br>CHKD: JELL<br>2012/05/17<br>APPR: SMITH<br>2012/06/01<br>REV | DESCRIPTION | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |       | DIMENSION STYLE |            | SCALE 1:1                 | DESIGN UNITS METRIC          |  THIRD ANGLE PROJECTION | TITLE<br>MINI-FIT JR BMI SMC<br>VERTICAL HEADER ASM<br>VARIOUS BOARD THICKNESS<br>MOLEX INCORPORATED |                                                                                                                                  |  |
|                                                                                                                                  |             |                 |                                                            |       | MM/IN           |            |                           |                              |                                                                                                              |                                                                                                      |                                                                                                                                  |  |
|                                                                                                                                  |             |                 | 4 PLACES ±---                                              | ±---  | DRAWN BY        | DATE       | MATERIAL NO.<br>SEE CHART | DOCUMENT NO.<br>SD-44068-031 | SHEET NO.<br>2 OF 2                                                                                          |                                                                                                      |                                                                                                                                  |  |
|                                                                                                                                  |             |                 | 3 PLACES ±---                                              | ±.010 | CHECKED BY      | DATE       |                           |                              |                                                                                                              |                                                                                                      |                                                                                                                                  |  |
|                                                                                                                                  |             |                 | 2 PLACES ±0.25                                             | ±.014 | BANDURA         | 1997/12/06 |                           |                              |                                                                                                              |                                                                                                      |                                                                                                                                  |  |
|                                                                                                                                  |             |                 | 1 PLACE ±0.35                                              | ±---  | APPROVED BY     | DATE       |                           |                              |                                                                                                              |                                                                                                      |                                                                                                                                  |  |
|                                                                                                                                  |             |                 | ANGULAR ±1/2°                                              |       | FSMITH          | 2012/02/02 |                           |                              |                                                                                                              |                                                                                                      |                                                                                                                                  |  |
|                                                                                                                                  |             |                 | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |       | SIZE C          |            |                           |                              |                                                                                                              |                                                                                                      | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |
|                                                                                                                                  |             |                 |                                                            |       |                 |            |                           |                              |                                                                                                              |                                                                                                      |                                                                                                                                  |  |
|                                                                                                                                  |             |                 |                                                            |       |                 |            |                           |                              |                                                                                                              |                                                                                                      |                                                                                                                                  |  |
|                                                                                                                                  |             |                 |                                                            |       |                 |            |                           |                              |                                                                                                              |                                                                                                      |                                                                                                                                  |  |
|                                                                                                                                  |             |                 |                                                            |       |                 |            |                           |                              |                                                                                                              |                                                                                                      |                                                                                                                                  |  |

X PRECEDING PART NUMBER DESIGNATES  
CIRCUIT SIZE IS NOT TOOLED  
PLEASE CONTACT FACTORY

1b\_frame\_C\_P\_AM\_T  
Rev. F 2009/06/18

121110987654321