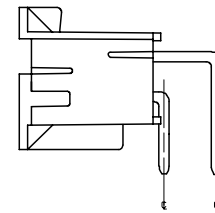


PCB LAYOUT: COMPONENT SIDE  
RECOMMENDED PCB THICKNESS: 1.60+0.18  
.063+.007



HEADER ASSEMBLY WITH NO CLIP OPTION

NOTES:

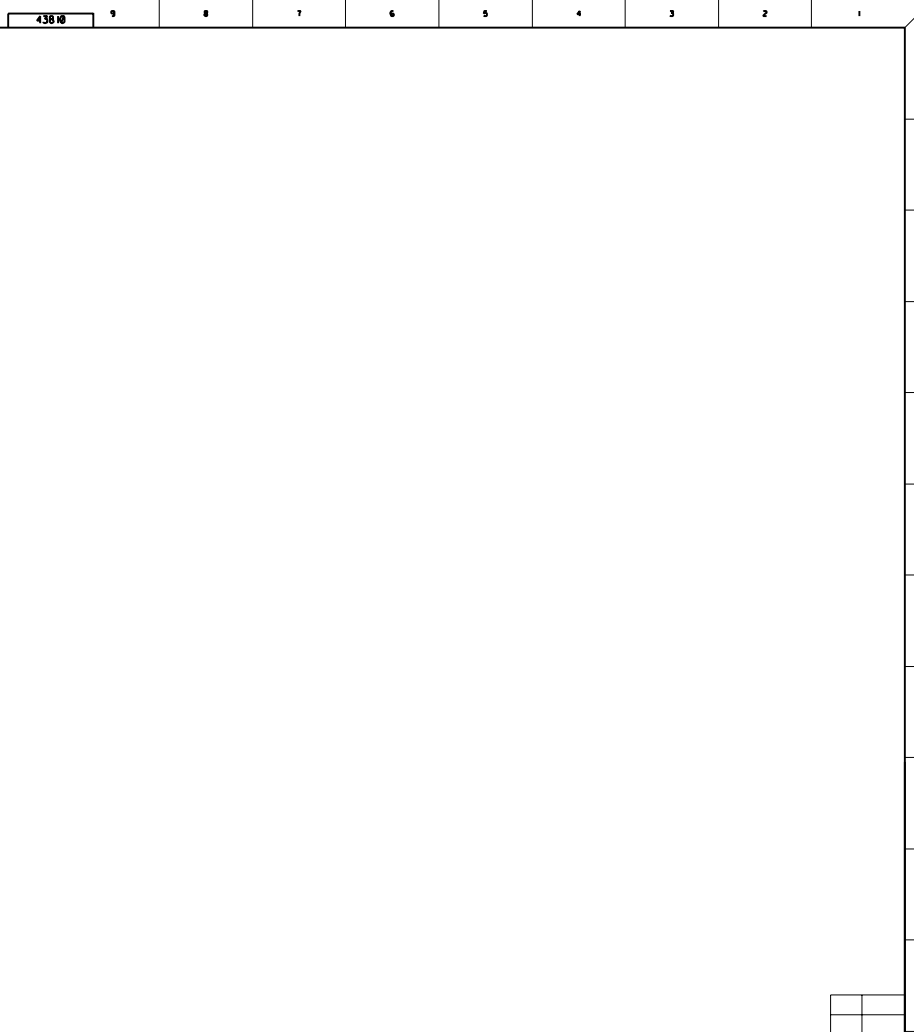
- 1) MATERIALS:  
HOUSING: PA46 FILLED BLACK, UL94V-0  
TERMINAL: BRASS  
BOARD RETENTION CLIP: BRASS
- 2) FINISHES:  
TERMINAL:  
1 = TIN OVER NICKEL; THICKNESS = 0.00254/(.000100) MINIMUM.  
2 = GOLD OVER NICKEL; THICKNESS = .00076/(0.000030) MINIMUM.  
BOARD LOCK CLIP:  
\*3 = MATTE TIN OVER NICKEL; THICKNESS = 0.00254/(.000100) MINIMUM.  
\*THE PRIMARY SHIPPING CARTON WILL BE LABELED "COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV ANNEX I OF DIRECTIVE 2000/53/EC". CARTONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT WITH TIN-LEAD PLATING.
- 3) PRODUCT SPECIFICATIONS AND PROCESSING PARAMETERS: PS-43810-001.
- 4) PART MATES WITH MOLEX RECEPTACLE \*5557 AND \*42474, AND \*42385 HEADER.
- 5) PART ALLOWS FOR 1.27/.050 MAX. MIS-ALIGNMENT WITH MATING HOUSINGS IN ANY DIRECTION.
- 6) PART IS DESIGNED IN METRIC
- 7) CONNECTOR ASSEMBLIES ARE NOT TO BE MATED AND UNMATED WHILE CIRCUITS ARE LIVE.

|      |      |
|------|------|
| 2    | C    |
| 1    | F    |
| SHT. | REV. |

|   |   |                                       |              |                  |           |                       |              |                        |                  |  |
|---|---|---------------------------------------|--------------|------------------|-----------|-----------------------|--------------|------------------------|------------------|--|
| NOTE2. ADD RoHS<br>EC NO: UCP2005-2089<br>TDR:WALSTEWART 2005/04/12<br>CHK:KAPULGAR 2005/04/20<br>APPR:MMARGULLI 2005/04/21 | QUALITY SYMBOLS   | GENERAL TOLERANCES (UNLESS SPECIFIED) |              | DIMENSION STYLE  |           | SCALE                 | DESIGN UNITS | THIRD ANGLE PROJECTION |                  |  |
|   | $\nabla=0$<br>$\nabla=0$  | mm                                    | INCH         | MM/IN            |           | 4:1                   | METRIC       |                        |                  |  |
|   | 4 PLACES ± --- ± ---<br>3 PLACES ± 0.25 ± .010<br>2 PLACES ± 0.35 ± .014<br>1 PLACE ± --- ± ---<br>ANGULAR ±1/2°              | DRAWN BY<br>MANLAPAZ                  |              | DATE<br>01-06-97 |           | CHECKED BY<br>BANDURA |              |                        | DATE<br>03-26-97 |  |
|   | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  | APPROVED BY<br>EDGLEY                 |              | DATE<br>03-26-97 |           | MATERIAL NO.          |              |                        | DOCUMENT NO.     |  |
| SEE CHART<br>SIZE D   | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                       | SD-43810-011 |                  | SHEET NO. |                       | 1 OF 2       |                        |                  |  |

| MATERIAL NO. | CIRCUIT SIZE | CLIP OPTION | DIM. 'A'       | DIM. 'B'       | DIM. 'C'       | FINISH |
|--------------|--------------|-------------|----------------|----------------|----------------|--------|
| 43810-0001   | 4            | YES         | 18.81<br>.740  | 4.20<br>.165   | 16.60<br>.653  | 1      |
| 43810-0002   | 6            | YES         | 23.01<br>.906  | 8.40<br>.331   | 20.80<br>.819  | 1      |
| 43810-0003   | 8            | YES         | 27.21<br>1.071 | 12.60<br>.496  | 25.00<br>.984  | 1      |
| 43810-0004   | 10           | YES         | 31.41<br>1.237 | 16.80<br>.661  | 29.20<br>1.150 | 1      |
| 43810-0005   | 12           | YES         | 35.61<br>1.402 | 21.00<br>.828  | 33.40<br>1.315 | 1      |
| 43810-0006   | 14           | YES         | 39.81<br>1.567 | 25.20<br>.992  | 37.60<br>1.480 | 1      |
| 43810-0007   | 16           | YES         | 44.01<br>1.733 | 29.40<br>1.157 | 41.80<br>1.646 | 1      |
| 43810-0008   | 18           | YES         | 48.21<br>1.898 | 33.60<br>1.323 | 46.00<br>1.811 | 1      |
| 43810-0009   | 20           | YES         | 52.41<br>2.063 | 37.80<br>1.488 | 50.20<br>1.976 | 1      |
| 43810-0010   | 22           | YES         | 56.61<br>2.229 | 42.00<br>1.654 | 54.40<br>2.142 | 1      |
| 43810-0011   | 24           | YES         | 60.81<br>2.394 | 46.20<br>1.819 | 58.60<br>2.307 | 1      |
| 43810-0012   | 4            | YES         | 18.81<br>.740  | 4.20<br>.165   | 16.60<br>.653  | 2      |
| 43810-0013   | 6            | YES         | 23.01<br>.906  | 8.40<br>.331   | 20.80<br>.819  | 2      |
| 43810-0014   | 8            | YES         | 27.21<br>1.071 | 12.60<br>.496  | 25.00<br>.984  | 2      |
| 43810-0015   | 10           | YES         | 31.41<br>1.237 | 16.80<br>.661  | 29.20<br>1.150 | 2      |
| 43810-0016   | 12           | YES         | 35.61<br>1.402 | 21.00<br>.828  | 33.40<br>1.315 | 2      |
| 43810-0017   | 14           | YES         | 39.81<br>1.567 | 25.20<br>.992  | 37.60<br>1.480 | 2      |
| 43810-0018   | 16           | YES         | 44.01<br>1.733 | 29.40<br>1.157 | 41.80<br>1.646 | 2      |
| 43810-0019   | 18           | YES         | 48.21<br>1.898 | 33.60<br>1.323 | 46.00<br>1.811 | 2      |
| 43810-0020   | 20           | YES         | 52.41<br>2.063 | 37.80<br>1.488 | 50.20<br>1.976 | 2      |
| 43810-0021   | 22           | YES         | 56.61<br>2.229 | 42.00<br>1.654 | 54.40<br>2.142 | 2      |
| 43810-0022   | 24           | YES         | 60.81<br>2.394 | 46.20<br>1.819 | 58.60<br>2.307 | 2      |

| MATERIAL NO. | CIRCUIT SIZE | CLIP OPTION | DIM. 'A'       | DIM. 'B'       | DIM. 'C'       | FINISH |
|--------------|--------------|-------------|----------------|----------------|----------------|--------|
| 43810-0199   | 4            | NO          | 18.81<br>.740  | 4.20<br>.165   | 16.60<br>.653  | 1      |
| 43810-0200   | 6            | NO          | 23.01<br>.906  | 8.40<br>.331   | 20.80<br>.819  | 1      |
| 43810-0201   | 8            | NO          | 27.21<br>1.071 | 12.60<br>.496  | 25.00<br>.984  | 1      |
| 43810-0202   | 10           | NO          | 31.41<br>1.237 | 16.80<br>.661  | 29.20<br>1.150 | 1      |
| 43810-0203   | 12           | NO          | 35.61<br>1.402 | 21.00<br>.828  | 33.40<br>1.315 | 1      |
| 43810-0204   | 14           | NO          | 39.81<br>1.567 | 25.20<br>.992  | 37.60<br>1.480 | 1      |
| 43810-0205   | 16           | NO          | 44.01<br>1.733 | 29.40<br>1.157 | 41.80<br>1.646 | 1      |
| 43810-0206   | 18           | NO          | 48.21<br>1.898 | 33.60<br>1.323 | 46.00<br>1.811 | 1      |
| 43810-0207   | 20           | NO          | 52.41<br>2.063 | 37.80<br>1.488 | 50.20<br>1.976 | 1      |
| 43810-0208   | 22           | NO          | 56.61<br>2.229 | 42.00<br>1.654 | 54.40<br>2.142 | 1      |
| 43810-0209   | 24           | NO          | 60.81<br>2.394 | 46.20<br>1.819 | 58.60<br>2.307 | 1      |
| 43810-0210   | 4            | NO          | 18.81<br>.740  | 4.20<br>.165   | 16.60<br>.653  | 2      |
| 43810-0211   | 6            | NO          | 23.01<br>.906  | 8.40<br>.331   | 20.80<br>.819  | 2      |
| 43810-0212   | 8            | NO          | 27.21<br>1.071 | 12.60<br>.496  | 25.00<br>.984  | 2      |
| 43810-0213   | 10           | NO          | 31.41<br>1.237 | 16.80<br>.661  | 29.20<br>1.150 | 2      |
| 43810-0214   | 12           | NO          | 35.61<br>1.402 | 21.00<br>.828  | 33.40<br>1.315 | 2      |
| 43810-0215   | 14           | NO          | 39.81<br>1.567 | 25.20<br>.992  | 37.60<br>1.480 | 2      |
| 43810-0216   | 16           | NO          | 44.01<br>1.733 | 29.40<br>1.157 | 41.80<br>1.646 | 2      |
| 43810-0217   | 18           | NO          | 48.21<br>1.898 | 33.60<br>1.323 | 46.00<br>1.811 | 2      |
| 43810-0218   | 20           | NO          | 52.41<br>2.063 | 37.80<br>1.488 | 50.20<br>1.976 | 2      |
| 43810-0219   | 22           | NO          | 56.61<br>2.229 | 42.00<br>1.654 | 54.40<br>2.142 | 2      |
| 43810-0220   | 24           | NO          | 60.81<br>2.394 | 46.20<br>1.819 | 58.60<br>2.307 | 2      |



| MATERIAL NO. | CIRCUIT SIZE | CLIP OPTION | DIM. 'A'       | DIM. 'B'       | DIM. 'C'       | FINISH |
|--------------|--------------|-------------|----------------|----------------|----------------|--------|
| 43810-0001   | 4            | YES         | 18.81<br>.740  | 4.20<br>.165   | 16.60<br>.653  | 1      |
| 43810-0002   | 6            | YES         | 23.01<br>.906  | 8.40<br>.331   | 20.80<br>.819  | 1      |
| 43810-0003   | 8            | YES         | 27.21<br>1.071 | 12.60<br>.496  | 25.00<br>.984  | 1      |
| 43810-0004   | 10           | YES         | 31.41<br>1.237 | 16.80<br>.661  | 29.20<br>1.150 | 1      |
| 43810-0005   | 12           | YES         | 35.61<br>1.402 | 21.00<br>.828  | 33.40<br>1.315 | 1      |
| 43810-0006   | 14           | YES         | 39.81<br>1.567 | 25.20<br>.992  | 37.60<br>1.480 | 1      |
| 43810-0007   | 16           | YES         | 44.01<br>1.733 | 29.40<br>1.157 | 41.80<br>1.646 | 1      |
| 43810-0008   | 18           | YES         | 48.21<br>1.898 | 33.60<br>1.323 | 46.00<br>1.811 | 1      |
| 43810-0009   | 20           | YES         | 52.41<br>2.063 | 37.80<br>1.488 | 50.20<br>1.976 | 1      |
| 43810-0010   | 22           | YES         | 56.61<br>2.229 | 42.00<br>1.654 | 54.40<br>2.142 | 1      |
| 43810-0011   | 24           | YES         | 60.81<br>2.394 | 46.20<br>1.819 | 58.60<br>2.307 | 1      |

| MATERIAL NO. | CIRCUIT SIZE | CLIP OPTION | DIM. 'A'       | DIM. 'B'       | DIM. 'C'       | FINISH |
|--------------|--------------|-------------|----------------|----------------|----------------|--------|
| 43810-0199   | 4            | NO          | 18.81<br>.740  | 4.20<br>.165   | 16.60<br>.653  | 1      |
| 43810-0200   | 6            | NO          | 23.01<br>.906  | 8.40<br>.331   | 20.80<br>.819  | 1      |
| 43810-0201   | 8            | NO          | 27.21<br>1.071 | 12.60<br>.496  | 25.00<br>.984  | 1      |
| 43810-0202   | 10           | NO          | 31.41<br>1.237 | 16.80<br>.661  | 29.20<br>1.150 | 1      |
| 43810-0203   | 12           | NO          | 35.61<br>1.402 | 21.00<br>.828  | 33.40<br>1.315 | 1      |
| 43810-0204   | 14           | NO          | 39.81<br>1.567 | 25.20<br>.992  | 37.60<br>1.480 | 1      |
| 43810-0205   | 16           | NO          | 44.01<br>1.733 | 29.40<br>1.157 | 41.80<br>1.646 | 1      |
| 43810-0206   | 18           | NO          | 48.21<br>1.898 | 33.60<br>1.323 | 46.00<br>1.811 | 1      |
| 43810-0207   | 20           | NO          | 52.41<br>2.063 | 37.80<br>1.488 | 50.20<br>1.976 | 1      |
| 43810-0208   | 22           | NO          | 56.61<br>2.229 | 42.00<br>1.654 | 54.40<br>2.142 | 1      |
| 43810-0209   | 24           | NO          | 60.81<br>2.394 | 46.20<br>1.819 | 58.60<br>2.307 | 1      |

|  |  |   |   |   |   |              |
|--|--|---|---|---|---|--------------|
| REVISED<br>EC NO. LR 130 I<br>DRW/MAN. A.P.A. 9/12/07<br>C/PK. BANDURA 9/12/09<br>APPR. EDGLEY 9/12/09 | QUALITY SYMBOLS<br>MAJOR<br>CRITICAL<br>DESCRIPTOR | GENERAL TOLERANCES:<br>(UNLESS SPECIFIED)<br>mm INCH                            | SCALE<br>N:A<br><input checked="" type="checkbox"/> mm <input type="checkbox"/> INCH                                | DESIGN UNITS<br><input checked="" type="checkbox"/> mm <input type="checkbox"/> INCH  | DIMENSIONS:<br><input checked="" type="checkbox"/> mm <input type="checkbox"/> INCH<br><input type="checkbox"/> mm ONLY | SHT 2<br>REV |
|  |  | 4 PLACES ±0.15<br>3 PLACES ±0.25 ±0.10<br>2 PLACES ±0.35 ±0.14<br>1 PLACE ±0.50 | DRAWN BY & DATE<br>MANLAPAZ 9/10/14<br>CHECKED BY & DATE<br>BANDURA 9/10/18<br>APPROVED BY & DATE<br>EDGLEY 9/10/18 | TITLE:<br><b>MINI-FIT JR. BMI SMC<br/>         RIGHT ANGLE HEADER ASM.<br/>         FOR 1.6/.063 THK. PCB</b>                     | MATERIAL NO. 43810-01<br>DRAWING NO. SD-43810-011   | SHEET NO. 2  |
|  |  | ANGULAR: ± 1/2°   | CAD FILENAME<br>S4381007.DGN  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. | SIZE D  |              |
|  |  | DRAFT WHERE APPLICABLE MUST<br>REMAIN WITHIN DIMENSIONS                         |   |   |   |              |