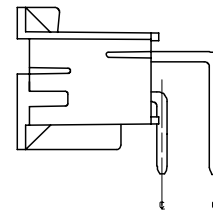


PCB LAYOUT: COMPONENT SIDE
RECOMMENDED PCB THICKNESS: 1.60+0.18
.063+.007



HEADER ASSEMBLY
WITH NO CLIP OPTION

NOTES:

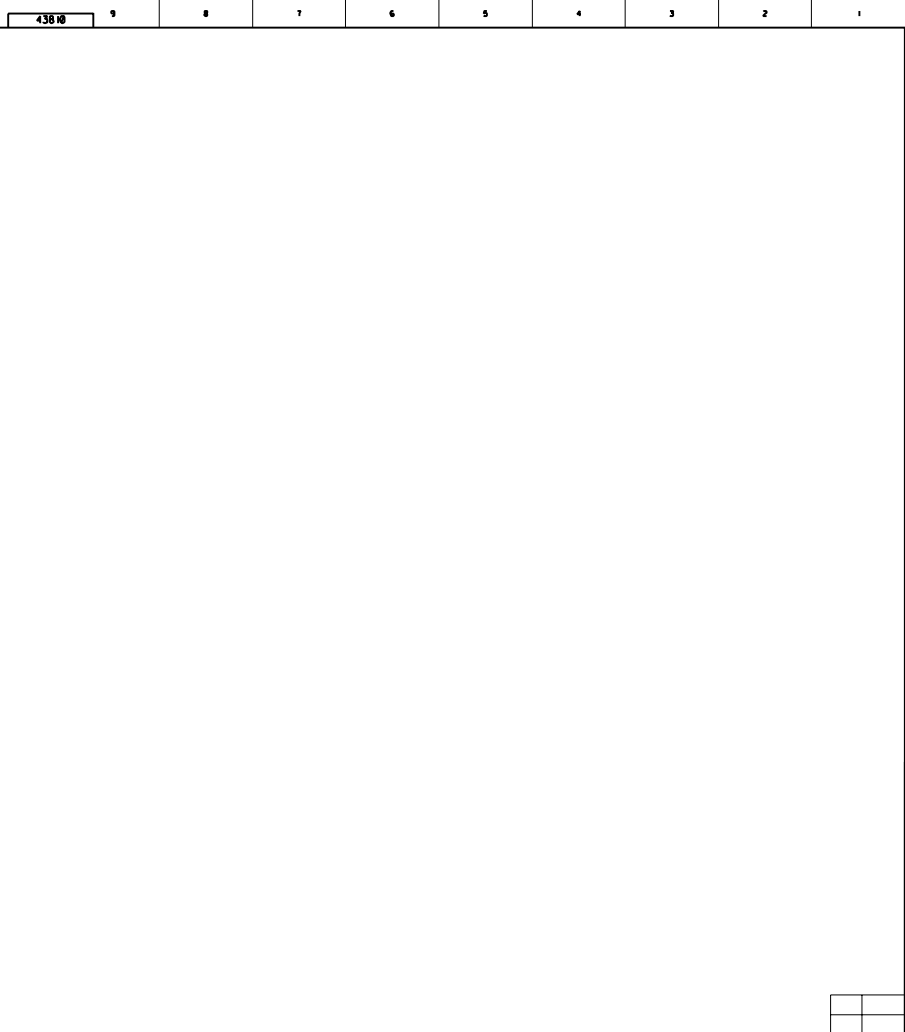
- 1) MATERIALS:
HOUSING: PA46 FILLED BLACK, UL94V-0
TERMINAL: BRASS
BOARD RETENTION CLIP: BRASS
- 2) FINISHES:
TERMINAL:
1 = TIN OVER NICKEL; THICKNESS = 0.00254/(.000100) MINIMUM.
2 = GOLD OVER NICKEL; THICKNESS = .00076/(0.000030) MINIMUM.
BOARD LOCK CLIP:
*3 = MATTE TIN OVER NICKEL; THICKNESS = 0.00254/(.000100) 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 EC NO: UCP2005-2089 TDR: NIK STEWART 2005/04/12 CHK: KAPULGAR 2005/04/20 APPR: MMARGULLI 2005/04/21 | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM/IN | | SCALE 4:1 | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION |
| | ▽=0 ▽=0 | 4 PLACES | ± .25 | ± .010 | DRAWN BY | DATE | TITLE | |
| | | 3 PLACES | ± .35 | ± .014 | CHECKED BY | DATE | MINI-FIT JR BMI SMC RIGHT ANGLE HEADER ASM. FOR 1.6/.063 THK. PCB | |
| | | 1 PLACE | ± .50 | ± .020 | APPROVED BY | DATE | MOLEX INCORPORATED | |
| | | ANGULAR ±1/2° | | MATERIAL NO. | DOCUMENT NO. | SD-43810-011 | | SHEET NO. 1 OF 2 |
| | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | SEE CHART | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | |

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

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



| | | | | | | | |
|--|---|---|---|---|---|--|----------------|
| REVISED EC NO. LB 130 I DRW/MAN: AFA291/02/07 CWP: BANDURA 9/12/09 APPR: EDGLEY 9/12/09 C | QUALITY SYMBOLS MAJOR CRITICAL DESCRIPTOR REV | GENERAL TOLERANCES: (UNLESS SPECIFIED) mm INCH | SCALE N:A <input checked="" type="checkbox"/> mm <input type="checkbox"/> INCH | DESIGN UNITS <input checked="" type="checkbox"/> mm <input type="checkbox"/> INCH | DIMENSIONS: <input checked="" type="checkbox"/> mm <input type="checkbox"/> INCH <input type="checkbox"/> mm ONLY | SHT 2 REV | |
| | | 4 PLACES ± 0.1 mm 3 PLACES ± 0.25 mm 2 PLACES ± 0.35 mm 1 PLACE ± 0.5 mm | DRAWN BY & DATE MANLAPAZ 9/10/14 CHECKED BY & DATE BANDURA 9/10/14 APPROVED BY & DATE EDGLEY 9/10/14 | TITLE: MINI-FIT JR. BMI SMC RIGHT ANGLE HEADER ASM. FOR 1.6/.063 THK. PCB | MATERIAL NO. SD-43810-011 | DRAWING NO. SEE CHART SD-43810-011 | SHEET NO. 2 |
| | | ANGULAR: $\pm 1/2^\circ$ | CAD FILENAME S4381007.DGN | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. | SIZE D | | |
| | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | | | | |