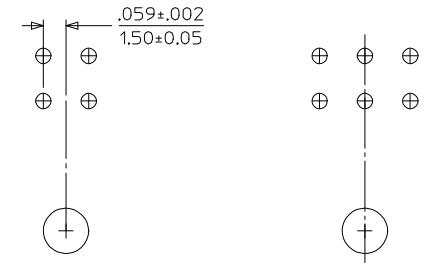
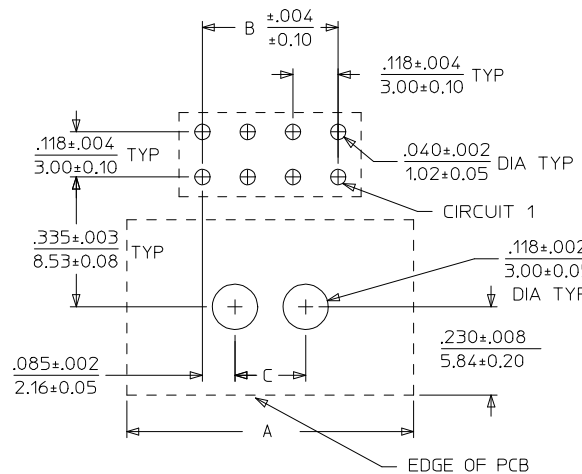
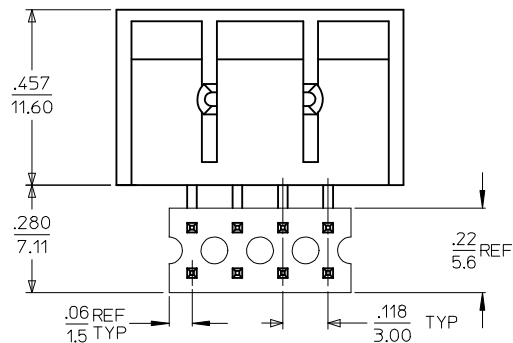


| CIRCUIT SIZE | A | B | C |
|--------------|-----------------------|-----------------------|-----------------------|
| 04 | $\frac{.512}{13.00}$ | $\frac{.118}{3.00}$ | NA |
| 06 | $\frac{.630}{16.00}$ | $\frac{.236}{6.00}$ | NA |
| 08 | $\frac{.748}{19.00}$ | $\frac{.354}{9.00}$ | $\frac{.184}{4.68}$ |
| 10 | $\frac{.866}{22.00}$ | $\frac{.472}{12.00}$ | $\frac{.302}{7.68}$ |
| 12 | $\frac{.984}{25.00}$ | $\frac{.590}{15.00}$ | $\frac{.420}{10.68}$ |
| 14 | $\frac{1.102}{28.00}$ | $\frac{.709}{18.00}$ | $\frac{.539}{13.68}$ |
| 16 | $\frac{1.220}{31.00}$ | $\frac{.827}{21.00}$ | $\frac{.657}{16.68}$ |
| 18 | $\frac{1.338}{34.00}$ | $\frac{.945}{24.00}$ | $\frac{.775}{19.68}$ |
| 20 | $\frac{1.457}{37.00}$ | $\frac{1.063}{27.00}$ | $\frac{.893}{22.68}$ |
| 22 | $\frac{1.575}{40.00}$ | $\frac{1.181}{30.00}$ | $\frac{1.011}{25.68}$ |
| 24 | $\frac{1.693}{43.00}$ | $\frac{1.299}{33.00}$ | $\frac{1.129}{28.68}$ |



PCB LAYOUT: COMPONENT SIDE
 RECOMMENDED PCB THICKNESS $\frac{.062}{1.57}$
 8 THRU 24 CIRCUITS

PCB LAYOUT:
 COMPONENT SIDE
 4 CIRCUIT ONLY

PCB LAYOUT:
 COMPONENT SIDE
 6 CIRCUIT ONLY

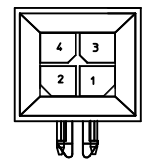
- NOTES :
- MATERIALS -
 HOUSING : LCP, GLASS-FILLED, UL94V-0 COLOR - BLACK
 TERMINAL : BRASS ALLOY
 TERMINAL POSITIONING STRIP : MYLAR, COLOR - NATURAL
 - FINISH:
 A = $\frac{.000200}{(0.00508)}$ MIN. TIN OVER $\frac{.000050}{(0.00127)}$ MIN. NICKEL.
 B = $\frac{.000015}{(0.00038)}$ MIN. SELECT GOLD IN CONTACT AREA, $\frac{.000100}{(0.00254)}$ MIN. MATTE TIN ON SOLDER TAILS, BOTH OVER $\frac{.000050}{(0.00127)}$ MIN. NICKEL.
 C = $\frac{.000030}{(0.00076)}$ MIN. SELECT GOLD IN CONTACT AREA, $\frac{.000100}{(0.00254)}$ MIN. MATTE TIN ON SOLDER TAILS, BOTH OVER $\frac{.000050}{(0.00127)}$ MIN. NICKEL.
 - PRODUCT SPECIFICATION : PS-44300-001
 - PACKAGING SPECIFICATION : PK-44428-001
 - THIS ASSEMBLY MATES WITH MOLEX BMI PANEL MOUNT RECEPTACLE SERIES 44133 WITH FEMALE CRIMP TERMINAL SERIES 43030 OR 46235, OR BMI RECEPTACLE HEADER SERIES 44764 (RIGHT ANGLE) AND 44769 (VERTICAL).
 - THIS PART CONFORMS TO CLASS 'B' REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.

| | | | | | | | | | | | |
|---|---------------------|--|---------------|----------------------|-------------|---|--------------|---|--|--|--|
| SEE SHEET 2 EC NO: UCP2015-1596 DRWN:JFOX 2014/10/16 CHKD:SSOUSEK 2014/10/16 APPR:FSMITH 2014/11/07 | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE | | SCALE | DESIGN UNITS | THIRD ANGLE PROJECTION | | | |
| | | | | IN/MM | | 4:1 | METRIC | | | | |
| | | | | mm | INCH | DRAWN BY DATE | | TITLE | | | |
| | | | | 4 PLACES ± --- ± --- | ± --- ± --- | GMARANANI 2010/06/11 | | MICRO FIT (3.0) BMI DUAL ROW RIGHT ANGLE HEADER, HALOGEN-FREE | | | |
| | | 3 PLACES ± --- ± .010 | ± .010 ± .015 | CHECKED BY DATE | | | | | | | |
| | | 2 PLACES ± 0.25 ± .015 | ± .015 ± .015 | SSOUSEK 2010/06/11 | | | | | | | |
| | | 1 PLACE ± 0.38 ± --- | ± --- ± --- | APPROVED BY DATE | | DOCUMENT NO. | | | | | |
| | | 0 PLACE ± ± | ± ± | FSMITH 2010/06/21 | | SD-44428-007 | | | | | |
| | | ANGULAR ±1/2° | | MATERIAL NO. | | SHEET NO. | | | | | |
| | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | SEE CHART | | 1 OF 2 | | | | | |
| | | | | SIZE C | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | | |

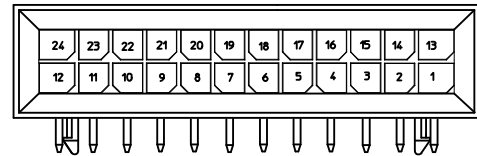
| | 13 | 12 | 11 | 10 |
|---|-----------------|--------------------|---------------|----------------------|
| J | MATERIAL NUMBER | NUMBER OF CIRCUITS | FINISH OPTION | RETENTION PEG OPTION |
| | 44428-0481 | 04 | A | YES |
| | 44428-0482 | 04 | B | YES |
| | 44428-0483 | 04 | C | YES |
| | 44428-0484 | 04 | A | NO |
| I | 44428-0485 | 04 | B | NO |
| | 44428-0486 | 04 | C | NO |
| | 44428-0681 | 06 | A | YES |
| | 44428-0682 | 06 | B | YES |
| | 44428-0683 | 06 | C | YES |
| H | 44428-0684 | 06 | A | NO |
| | 44428-0685 | 06 | B | NO |
| | 44428-0686 | 06 | C | NO |
| | 44428-0881 | 08 | A | YES |
| G | 44428-0882 | 08 | B | YES |
| | 44428-0883 | 08 | C | YES |
| | 44428-0884 | 08 | A | NO |
| | 44428-0885 | 08 | B | NO |
| | 44428-0886 | 08 | C | NO |
| F | 44428-1081 | 10 | A | YES |
| | 44428-1082 | 10 | B | YES |
| | 44428-1083 | 10 | C | YES |
| | 44428-1084 | 10 | A | NO |
| | 44428-1085 | 10 | B | NO |
| E | 44428-1086 | 10 | C | NO |
| | 44428-1281 | 12 | A | YES |
| | 44428-1282 | 12 | B | YES |
| | 44428-1283 | 12 | C | YES |
| | 44428-1284 | 12 | A | NO |
| D | 44428-1285 | 12 | B | NO |
| | 44428-1286 | 12 | C | NO |
| | 44428-1481 | 14 | A | YES |
| | 44428-1482 | 14 | B | YES |
| | 44428-1483 | 14 | C | YES |
| C | 44428-1484 | 14 | A | NO |
| | 44428-1485 | 14 | B | NO |
| | 44428-1486 | 14 | C | NO |

| | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |
|---|-----------------|--------------------|---------------|----------------------|---|---|---|---|---|
| J | MATERIAL NUMBER | NUMBER OF CIRCUITS | FINISH OPTION | RETENTION PEG OPTION | | | | | |
| | 44428-1681 | 16 | A | YES | | | | | |
| | 44428-1682 | 16 | B | YES | | | | | |
| | 44428-1683 | 16 | C | YES | | | | | |
| | 44428-1684 | 16 | A | NO | | | | | |
| | 44428-1685 | 16 | B | NO | | | | | |
| | 44428-1686 | 16 | C | NO | | | | | |
| | 44428-1881 | 18 | A | YES | | | | | |
| | 44428-1882 | 18 | B | YES | | | | | |
| | 44428-1883 | 18 | C | YES | | | | | |
| | 44428-1884 | 18 | A | NO | | | | | |
| | 44428-1885 | 18 | B | NO | | | | | |
| | 44428-1886 | 18 | C | NO | | | | | |
| | 44428-2081 | 20 | A | YES | | | | | |
| | 44428-2082 | 20 | B | YES | | | | | |
| | 44428-2083 | 20 | C | YES | | | | | |
| | 44428-2084 | 20 | A | NO | | | | | |
| | 44428-2085 | 20 | B | NO | | | | | |
| | 44428-2086 | 20 | C | NO | | | | | |
| | 44428-2281 | 22 | A | YES | | | | | |
| | 44428-2282 | 22 | B | YES | | | | | |
| | 44428-2283 | 22 | C | YES | | | | | |
| | 44428-2284 | 22 | A | NO | | | | | |
| | 44428-2285 | 22 | B | NO | | | | | |
| | 44428-2286 | 22 | C | NO | | | | | |
| | 44428-2481 | 24 | A | YES | | | | | |
| | 44428-2482 | 24 | B | YES | | | | | |
| | 44428-2483 | 24 | C | YES | | | | | |
| | 44428-2484 | 24 | A | NO | | | | | |
| | 44428-2485 | 24 | B | NO | | | | | |
| | 44428-2486 | 24 | C | NO | | | | | |

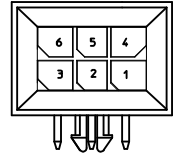
POLARIZATION LAYOUT
4-24 CIRCUITS



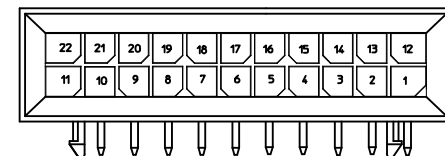
4 CIRCUIT



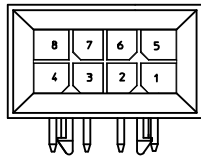
24 CIRCUIT



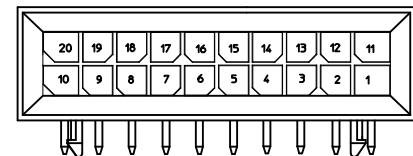
6 CIRCUIT



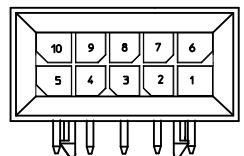
22 CIRCUIT



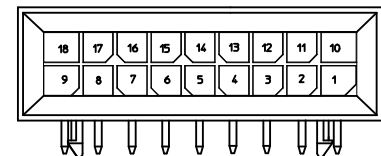
8 CIRCUIT



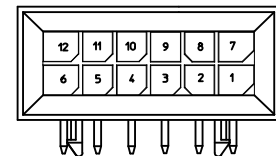
20 CIRCUIT



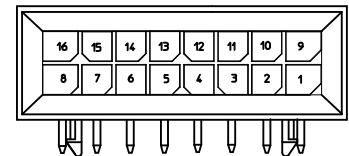
10 CIRCUIT



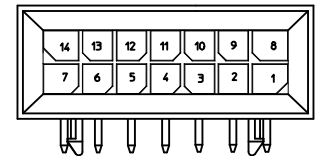
18 CIRCUIT



12 CIRCUIT



16 CIRCUIT



14 CIRCUIT

| ADD 'NO PEG' P/N'S EC NO: UCP2015-1596 DRWN:JDFOX CHKD:SSOUSEK APPR:FSMITH | 2014/10/16 2014/10/16 2014/11/07 | DESCRIPTION REV | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) | DIMENSION STYLE | SCALE | DESIGN UNITS | THIRD ANGLE PROJECTION | | | | | | | | | | | | |
|--|--|--------------------|--|--|---|--------------|----------------|------------------------|----------------|------------|-----------------|---------|----------------|-------------|-----------|--------|------------|-------|--|--|
| | | | $\nabla = 0$ $\nabla = 0$ $\nabla = 0$ | <table border="1"> <tr><th>mm</th><th>INCH</th></tr> <tr><td>4 PLACES ± ---</td><td>± ---</td></tr> <tr><td>3 PLACES ± ---</td><td>± .010</td></tr> <tr><td>2 PLACES ± 0.25</td><td>± .015</td></tr> <tr><td>1 PLACE ± 0.38</td><td>± ---</td></tr> <tr><td>0 PLACE ±</td><td>±</td></tr> </table> | mm | INCH | 4 PLACES ± --- | ± --- | 3 PLACES ± --- | ± .010 | 2 PLACES ± 0.25 | ± .015 | 1 PLACE ± 0.38 | ± --- | 0 PLACE ± | ± | IN/MM | 4:1 | METRIC | |
| | | | mm | INCH | | | | | | | | | | | | | | | | |
| | | | 4 PLACES ± --- | ± --- | | | | | | | | | | | | | | | | |
| 3 PLACES ± --- | ± .010 | | | | | | | | | | | | | | | | | | | |
| 2 PLACES ± 0.25 | ± .015 | | | | | | | | | | | | | | | | | | | |
| 1 PLACE ± 0.38 | ± --- | | | | | | | | | | | | | | | | | | | |
| 0 PLACE ± | ± | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <tr><td colspan="2">ANGULAR ±1/2°</td></tr> <tr><td colspan="2">DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</td></tr> </table> | ANGULAR ±1/2° | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | <table border="1"> <tr><td>DRAWN BY</td><td>DATE</td></tr> <tr><td>GARANANI</td><td>2010/06/11</td></tr> <tr><td>CHECKED BY</td><td>DATE</td></tr> <tr><td>SSOUSEK</td><td>2010/06/11</td></tr> <tr><td>APPROVED BY</td><td>DATE</td></tr> <tr><td>FSMITH</td><td>2010/06/21</td></tr> </table> | DRAWN BY | DATE | GARANANI | 2010/06/11 | CHECKED BY | DATE | SSOUSEK | 2010/06/11 | APPROVED BY | DATE | FSMITH | 2010/06/21 | TITLE | MICRO FIT (3.0) BMI DUAL ROW RIGHT ANGLE HEADER, HALOGEN-FREE | |
| ANGULAR ±1/2° | | | | | | | | | | | | | | | | | | | | |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | | | | | | | | | | | | | | | | | | | |
| DRAWN BY | DATE | | | | | | | | | | | | | | | | | | | |
| GARANANI | 2010/06/11 | | | | | | | | | | | | | | | | | | | |
| CHECKED BY | DATE | | | | | | | | | | | | | | | | | | | |
| SSOUSEK | 2010/06/11 | | | | | | | | | | | | | | | | | | | |
| APPROVED BY | DATE | | | | | | | | | | | | | | | | | | | |
| FSMITH | 2010/06/21 | | | | | | | | | | | | | | | | | | | |
| A4 | | | | SEE CHART | MATERIAL NO. | DOCUMENT NO. | SHEET NO. | | | | | | | | | | | | | |

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