



NOTES

- 1) MATERIAL
 HOUSING
 NYLON 46, CLASS-FILLED, UL94V-0
 COLOR - BLACK
 TERMINAL PIN: BRASS ALLOY
- 2) FINISH
 1= 0.00254 /(.000100) MIN. BRIGHT TIN OVER
 0.00127 /(.000050) MIN. NICKEL
 2= 0.00152 /(.000060) MIN. REFLOWED MATTE TIN OVER
 0.00127 /(.000050) MIN. NICKEL OVERALL
- 3) PRODUCT SPECIFICATION: PS-43759-0001
- 4) PACKAGE SPECIFICATION: PK-42404-002
- 5) PART MATES WITH MINI-FIT JR. RECEPTACLE 43974-0002 & 43974-0005.
- 6) CONNECTOR ASSEMBLIES ARE NOT TO BE MATED AND UNMATED WHILE CIRCUITS ARE LIVE.
 △ CIRCUITS SHOWN PROVIDE THE "MATE-FIRST/BREAK-LAST" FEATURE"
 SEE CHART ON SHEET TWO FOR EXACT LOCATION.
- 8) PART CONFORMS TO CLASS 'B' REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.
- 9) PART ALLOWS FOR .050/(1.27) MISALIGNMENT WITH MATING RECEPTACLE IN ANY DIRECTION. SEE MATING CONNECTOR DRAWINGS FOR SPECIFIC ALLOWANCES.
- 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.
- 11) PARTS ARE NOT DESIGNED FOR CURRENT SHARING.

| | |
|-----------|----|
| 2 | B2 |
| 1 | B2 |
| SHT. REV. | |

| CHG MATTE TIN EC NO: UCP2010-2987 DRWN: JAGUILAR 2010/05/25 CHKD: J BELL 2010/05/25 APPR: FSMITH 2010/06/04 | QUALITY SYMBOLS ▽=0 ▽=0 ▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) | DIMENSION STYLE MM/IN | SCALE 2:1 | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION | | | | | | | | | | | | |
|---|--------------------------------------|---|--------------------------|---------------------------|------------------------------|------------------------|-------|-------|----------|-------|--------|----------|--------|--------|---------|--------|-------|---------------------|
| | | <table border="1"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>4 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>3 PLACES</td> <td>± ---</td> <td>± .010</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.25</td> <td>± .015</td> </tr> <tr> <td>1 PLACE</td> <td>± 0.38</td> <td>± ---</td> </tr> </tbody> </table> | | mm | INCH | 4 PLACES | ± --- | ± --- | 3 PLACES | ± --- | ± .010 | 2 PLACES | ± 0.25 | ± .015 | 1 PLACE | ± 0.38 | ± --- | DRAWN BY BANDURA |
| | mm | INCH | | | | | | | | | | | | | | | | |
| 4 PLACES | ± --- | ± --- | | | | | | | | | | | | | | | | |
| 3 PLACES | ± --- | ± .010 | | | | | | | | | | | | | | | | |
| 2 PLACES | ± 0.25 | ± .015 | | | | | | | | | | | | | | | | |
| 1 PLACE | ± 0.38 | ± --- | | | | | | | | | | | | | | | | |
| B2 | DESCRIPTION CIRCUIT #1 | APPROVED BY EDGLEY | DATE 03-13-01 | MATERIAL NO. SEE CHART | DOCUMENT NO. SD-43973-002 | SHEET NO. 1 OF 2 | | | | | | | | | | | | |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | | | | | | | | | | | | | |

| PART NUMBER | CIRCUIT SIZE | DIM. "A" | TERMINAL PIN TYPE REQUIRED AT EACH CIRCUIT LOCATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|--------------|----------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|---|---|---|
| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | | | | |
| 43973-0002 | 40 | 5.31 (.209) | B | B | B | B | B | B | B | B | B | B | B | B | B | B | B | B | B | B | B | B | B | B | B | B | B | B | B | A | B | B | B | B | B | B | B | B | B | B | B | B | B | | | |
| 43973-0003 | 40 | 7.20 (.283) | B | B | B | B | B | B | B | B | B | B | B | B | B | B | B | B | B | B | B | B | B | B | B | B | B | B | A | B | B | B | B | B | B | B | B | B | B | B | B | B | B | B | | |
| 43973-0004 | 40 | 5.31 (.209) | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | C | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | |
| 43973-0005 | 40 | 7.20 (.283) | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | C | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D | D |

| TERMINAL PIN LEGEND | | |
|---------------------|---------------------|-------------|
| PIN TYPE | FINISH (SEE NOTE 2) | MATING TYPE |
| A | 1 | STD. |
| B | 1 | M-F-B-L |
| C | 2 | STD. |
| D | 2 | M-F-B-L |

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|---|---------------------|--|------|--|------------------|---|-------------------------------------|----------------------------|
| SEE SHEET 1 EC NO: UCP2010-2987 DRWN: JAGUILAR 2010/05/25 CHKD: J BELL 2010/05/25 APPR: F SMITH 2010/06/04 | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM/IN | SCALE --- | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION | |
| | | 4 PLACES ± --- ± --- | INCH | DRAWN BY BANDURA | DATE 03-07-01 | TITLE VERTICAL HEADER ASSEMBLY 40 PIN M-F BMI SERIES SELECTIVELY LOADED | | |
| | | 3 PLACES ± --- ± .010 | INCH | CHECKED BY BANDURA | DATE 03-07-01 | MOLEX INCORPORATED | | |
| | | 2 PLACES ± 0.25 ± .015 1 PLACE ± 0.38 ± --- | INCH | APPROVED BY EDGLEY | DATE 03-13-01 | MATERIAL NO. SEE CHART | DOCUMENT NO. SD-43973-002 | SHEET NO. 2 OF 2 |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | ANGULAR ±1/2° | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | |