



PCB LAYOUT: COMPONENT SIDE

L60/(L063) RECOMMENDED MINIMUM PCB THICKNESS

NOTES

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

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|---|--------------------------------------|--|-----------------------|---------------------------|----------------------|---|------------------------------|--|--|
| CHANGE PLATING EC NO: UCP2012-1560 DRAWINGUYEN 2012/01/17 CHKD: JELL 2012/01/17 APPR: FSMITH 2012/02/02 | QUALITY SYMBOLS ▽=0 ▽=0 ▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM/IN | | SCALE 2:1 | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION | |
| | | 4 PLACES ± --- ± --- | 3 PLACES ± --- ± .010 | 2 PLACES ± 0.25 ± .015 | 1 PLACE ± 0.38 ± --- | DRAWN BY BANDURA | DATE 03-08-01 | TITLE VERTICAL HEADER ASSEMBLY 40 PIN M-F BMI SERIES SELECTIVELY LOADED | |
| REV | DESCRIPTION | ANGULAR ± 1/2° | | APPROVED BY FSMITH | | DATE 2012/02/02 | MATERIAL NO. SEE CHART | | |
| | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | MATERIAL NO. SEE CHART | | DATE 2012/02/02 | DOCUMENT NO. SD-43973-002 | | |
| | | | | SIZE | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | |

| 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|--------------|----------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|---|
| 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 | B | A | B | B | B | B | B | B | B | B | B | B | B | B | B | B |

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

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|---|--|--|--------------------|---|--------------|------------------------|
| SEE SHEET 1 EC NO: UCP2012-1560 DRAWN: NGUYEN 2012/01/17 CHKD: BELL 2012/01/17 APPR: FSMITH 2012/02/02 | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) | DIMENSION STYLE | SCALE | DESIGN UNITS | THIRD ANGLE PROJECTION |
| | ▽=0 | mm INCH | MM/IN | 1:1 | METRIC | |
| | ▽=0 | 4 PLACES ± --- ± --- | DRAWN BY DATE | TITLE | | |
| | ▽=0 | 3 PLACES ± --- ±.010 | CHECKED BY DATE | VERTICAL HEADER ASSEMBLY 40 PIN M-F BMI SERIES SELECTIVELY LOADED | | |
| | 2 PLACES ±0.25 ±.015 | BANDURA 03-08-01 | MOLEX INCORPORATED | | | |
| | 1 PLACE ±0.38 ± --- | APPROVED BY DATE | DOCUMENT NO. | | | |
| | ANGULAR ±1/2° | FSMITH 2012/02/02 | SD-43973-002 | | | |
| | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | MATERIAL NO. | SHEET NO. | | | |
| | | SEE CHART | 2 OF 2 | | | |
| | | SIZE THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | |