



PCB LAYOUT: COMPONENT SIDE  
1.60/(.063) RECOMMENDED MINIMUM PCB THICKNESS

NOTES

- 1) MATERIAL HOUSING  
NYLON 46, GLASS-FILLED, UL94V-0  
COLOR - BLACK  
TERMINAL PIN: BRASS ALLOY
- 2) FINISH  
1= 0.00254 /(.000100) MIN. MATTE TIN OVER  
0.00127 /(.000050) MIN. NICKEL
- 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/(.127) 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.

CHG DIM A TOL EC NO: UCP2012-3564 DRAWING: NGUYEN 2012/05/01 CHKD: BELL 2012/05/01 APPR: FSMITH 2012/05/04	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		mm	INCH	DRAWN BY BANDURA	DATE 03-08-01	TITLE VERTICAL HEADER ASSEMBLY 40 PIN M-F BMI SERIES SELECTIVELY LOADED	MATERIAL NO. DOCUMENT NO. SD-43973-002		
REV C1	DESCRIPTION	4 PLACES ± --- ± ---	3 PLACES ± --- ± .010	CHECKED BY BANDURA	DATE 03-08-01	APPROVED BY FSMITH		DATE 2012/02/02	SHEET NO. 1 OF 2
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		ANGULAR ± 1/2°		SEE CHART		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	5.3 (.21)	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	
43973-0003	40	7.2 (.28)	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	B

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

<b>SEE SHEET 1</b> EC NO: UCP2012-3564 DRW: NGUYEN 2012/05/01 CHKD: BELL 2012/05/01 APPR: FSMITH 2012/05/04	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		
	▽=0	2 PLACES ±0.25 ±.015	BANDURA 03-08-01	40 PIN M-F BMI SERIES		
	1 PLACE ±0.38 ± ---	APPROVED BY DATE	SELECTIVELY LOADED			
	ANGULAR ±1/2°	FSMITH 2012/02/02	MOLEX INCORPORATED			
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO.	DOCUMENT NO.		SHEET NO.	
		SEE CHART	SD-43973-002		2 OF 2	
		SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			