



- 1) MATERIALS:  
HOUSING: PA46 FILLED, UL94V-0, COLOR: BLACK  
TERMINAL: BRASS  
BOARD RETENTION CLIP: BRASS
- 2) FINISHES:  
1 = 0.00254/(.000100) MIN TIN OVER NICKEL  
2 = 0.00076/(.000030) MIN. SELECT GOLD AND 0.00254/(.000100) MIN.SELECT MATTE TIN OVER 0.00127/(.000050) MIN. NICKEL OVERALL
- 3) PRODUCT SPECIFICATIONS: PS-43810-001
- 4) PACKAGING SPECIFICATIONS: PK-43879-001
- 5) PART MATES WITH MOLEX RECEPTACLE SERIES 5557, 42474 AND 44516 AND HEADER SERIES 42385.
- 6) PART ALLOWS FOR 1.27/.050 MAX. MISALIGNMENT WITH MATING HOUSINGS IN ANY DIRECTION.
- 7) CONNECTOR ASSEMBLIES ARE NOT TO BE MATED AND UNMATED WHILE CIRCUITS ARE LIVE.
- 8) THIS DIMENSION DOES NOT APPLY TO PARTS WITHOUT P.C. BOARD RETENTION CLIPS.
- 9) PARTS CONFORM TO CLASS 'B' REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002
- 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.

CKTS	DIM. "A"	DIM. "B"	DIM. "C"
4	18.81 .740	4.20 .165	16.60 .653
6	23.01 .906	8.40 .331	20.80 .819
8	27.21 1.071	12.60 .496	25.00 .984
10	31.41 1.237	16.80 .661	29.20 1.150
12	35.61 1.402	21.00 .828	33.40 1.315
14	39.81 1.567	25.20 .992	37.60 1.480
16	44.01 1.733	29.40 1.157	41.80 1.646
18	48.21 1.898	33.60 1.323	46.00 1.811
20	52.41 2.063	37.80 1.488	50.20 1.976
22	56.61 2.229	42.00 1.654	54.40 2.142
24	60.81 2.394	46.20 1.819	58.60 2.307

CHANGE CLIP DIM EC NO: UCP2012-3785 DRW: NGUYEN 2012/05/17 CHKD: BELL 2012/05/17 APPR: FSMITH 2012/06/01	QUALITY SYMBOLS $\nabla = 0$ $\nabla = 0$ $\nabla = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION			
				MM/IN		4:1	METRIC				
				DRAWN BY DATE		TITILE		MINI-FIT JR BMI SMC VERTICAL HEADER ASM VARIOUS BOARD THICKNESS MOLEX INCORPORATED			
				MANLAPAZ 1997/12/04		BANDURA 1997/12/06					
		CHECKED BY DATE		APPROVED BY DATE		MATERIAL NO.		SHEET NO.			
		BANDURA 1997/12/06		FSMITH 2012/02/02		SEE SHEET 2		SD-44068-031			
		ANGULAR $\pm 1/2^\circ$		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		1 OF 2			

	13	12	11	10	9	8	7	6	5	4	3	2	1
J	FINISH:	1 (SEE NOTE 2)		FINISH:	1 (SEE NOTE 2)		FINISH:	1 (SEE NOTE 2)		FINISH:	1 (SEE NOTE 2)		
	DIM. D:	WITHOUT CLIP		DIM. D:	$\frac{(1.79 \pm 0.25)}{.070 \pm .010}$		DIM. D:	$\frac{(2.60 \pm 0.25)}{.102 \pm .010}$		DIM. D:	$\frac{(3.39 \pm 0.25)}{.133 \pm .010}$		
	DIM. E:	$\frac{(3.30)}{.130}$ REF.		DIM. E:	$\frac{(3.30)}{.130}$ REF.		DIM. E:	$\frac{(4.50)}{.177}$ REF.		DIM. E:	$\frac{(4.90)}{.193}$ REF.		
	PCB THICKNESS:	$\frac{(1.60 \pm 0.18)}{.063 \pm .007}$		PCB THICKNESS:	$\frac{(1.60 \pm 0.18)}{.063 \pm .007}$		PCB THICKNESS:	$\frac{(2.39 \pm 0.18)}{.094 \pm .007}$		PCB THICKNESS:	$\frac{(3.18 \pm 0.18)}{.125 \pm .007}$		
I	CIRCUITS	MATERIAL NO.		CIRCUITS	MATERIAL NO.		CIRCUITS	MATERIAL NO.		CIRCUITS	MATERIAL NO.		
	04	44068-0023		04	44068-0001		04	44068-0045		04	44068-0089		
	06	44068-0024		06	44068-0002		06	44068-0046		06	44068-0090		
	08	X 44068-0025		08	X 44068-0003		08	X 44068-0047		08	X 44068-0091		
H	10	44068-0026		10	44068-0004		10	44068-0048		10	44068-0092		
	12	X 44068-0027		12	X 44068-0005		12	X 44068-0049		12	X 44068-0093		
	14	44068-0028		14	44068-0006		14	44068-0050		14	44068-0094		
	16	X 44068-0029		16	X 44068-0007		16	X 44068-0051		16	X 44068-0095		
G	18	44068-0030		18	44068-0008		18	44068-0052		18	44068-0096		
	20	X 44068-0031		20	X 44068-0009		20	X 44068-0053		20	X 44068-0097		
	22	X 44068-0032		22	X 44068-0010		22	X 44068-0054		22	X 44068-0098		
	24	44068-0033		24	44068-0011		24	44068-0055		24	44068-0099		

F	FINISH:	2 (SEE NOTE 2)		FINISH:	2 (SEE NOTE 2)		FINISH:	2 (SEE NOTE 2)		FINISH:	2 (SEE NOTE 2)		
	DIM. D:	WITHOUT CLIP		DIM. D:	$\frac{(1.79 \pm 0.25)}{.070 \pm .010}$		DIM. D:	$\frac{(2.60 \pm 0.25)}{.102 \pm .010}$		DIM. D:	$\frac{(3.39 \pm 0.25)}{.133 \pm .010}$		
	DIM. E:	$\frac{(3.30)}{.130}$ REF.		DIM. E:	$\frac{(3.30)}{.130}$ REF.		DIM. E:	$\frac{(4.50)}{.177}$ REF.		DIM. E:	$\frac{(4.90)}{.193}$ REF.		
	PCB THICKNESS:	$\frac{(1.60 \pm 0.18)}{.063 \pm .007}$		PCB THICKNESS:	$\frac{(1.60 \pm 0.18)}{.063 \pm .007}$		PCB THICKNESS:	$\frac{(2.39 \pm 0.18)}{.094 \pm .007}$		PCB THICKNESS:	$\frac{(3.18 \pm 0.18)}{.125 \pm .007}$		
E	CIRCUITS	MATERIAL NO.		CIRCUITS	MATERIAL NO.		CIRCUITS	MATERIAL NO.		CIRCUITS	MATERIAL NO.		
	04	44068-0034		04	44068-0012		04	44068-0056		04	44068-0100		
	06	44068-0035		06	44068-0013		06	44068-0057		06	44068-0101		
	08	X 44068-0036		08	X 44068-0014		08	X 44068-0058		08	X 44068-0102		
D	10	44068-0037		10	44068-0015		10	44068-0059		10	44068-0103		
	12	X 44068-0038		12	X 44068-0016		12	X 44068-0060		12	X 44068-0104		
	14	44068-0039		14	44068-0017		14	44068-0061		14	44068-0105		
	16	X 44068-0040		16	X 44068-0018		16	X 44068-0062		16	X 44068-0106		
C	18	44068-0041		18	44068-0019		18	44068-0063		18	44068-0107		
	20	X 44068-0042		20	X 44068-0020		20	X 44068-0064		20	X 44068-0108		
	22	X 44068-0043		22	X 44068-0021		22	X 44068-0065		22	X 44068-0109		
	24	44068-0044		24	44068-0022		24	44068-0066		24	44068-0110		

X PRECEDING PART NUMBER DESIGNATES  
CIRCUIT SIZE IS NOT TOOLED  
PLEASE CONTACT FACTORY

SEE SHEET 1 EC NO: UCP2012-3785 DRAWN: NGUYEN 2012/05/17 CHKD: BELL 2012/05/17 APPR: FSMITH 2012/06/01	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
		4 PLACES ± --- ± ---	3 PLACES ± --- ± .010	2 PLACES ± 0.25 ± .014	1 PLACE ± 0.35 ± ---	DRAWN BY MANLAPAZ	DATE 1997/12/04	TITLE MINI-FIT JR BMI SMC VERTICAL HEADER ASM VARIOUS BOARD THICKNESS			
		ANGULAR ± 1/2°		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPROVED BY FSMITH	DATE 2012/02/02	MOLEX INCORPORATED			
		MATERIAL NO. SEE CHART		DOCUMENT NO. SD-44068-031		SHEET NO. 2 OF 2		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			