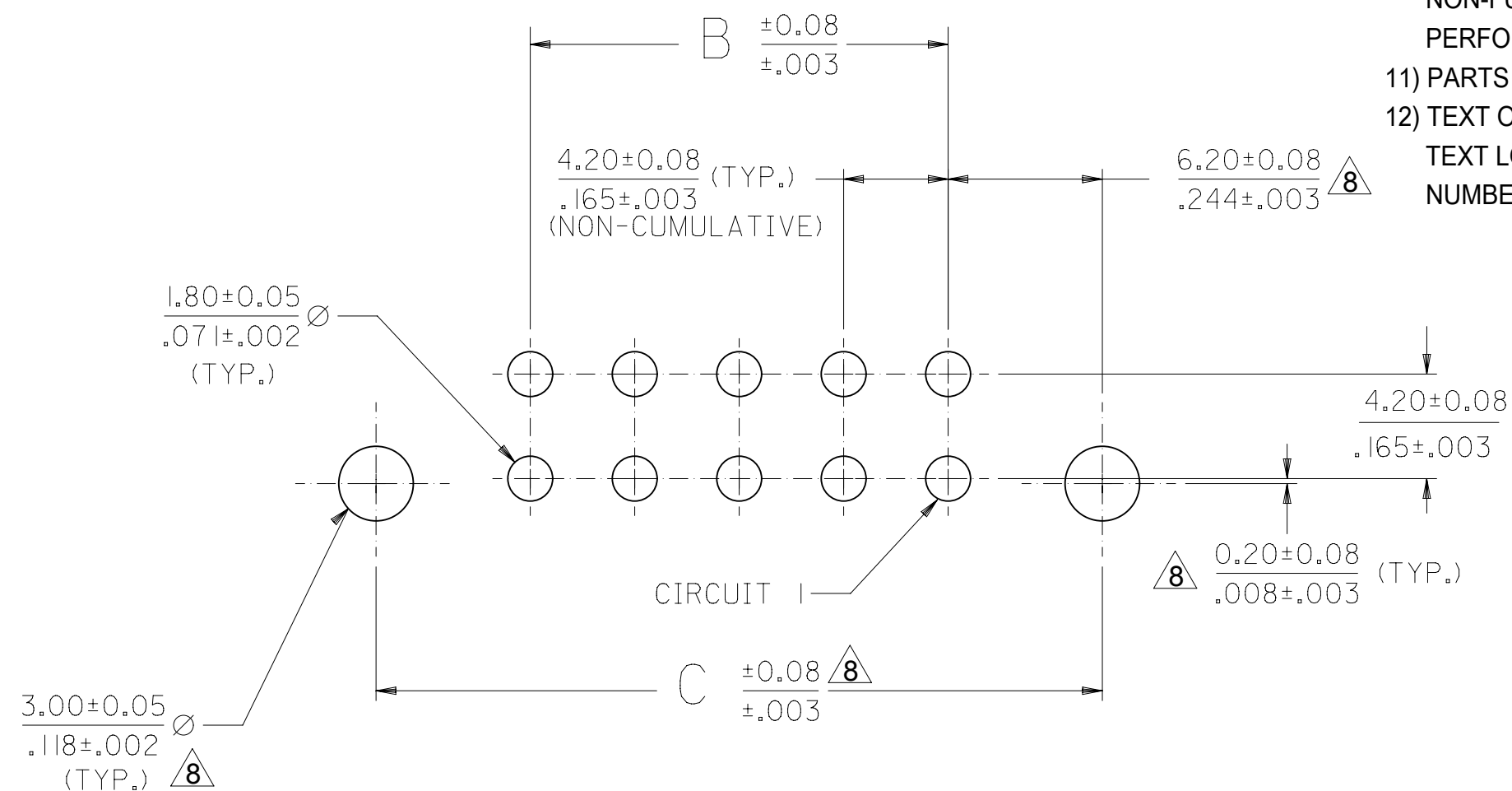


- 1) MATERIALS:
HOUSING: PA46 FILLED, UL94V-0, COLOR: BLACK
TERMINAL: BRASS
BOARD RETENTION CLIP: BRASS
- 2) FINISHES:
TERMINAL:
1 = (0.00254)/.000100 MIN. BRIGHT TIN OVER
(0.00127)/.000050 MIN. NICKEL
2 = (0.00076)/.000030 MIN. SELECT GOLD AND
(0.00254)/.000100 MIN. SELECT MATTE TIN
OVER (0.00127)/.000050 MIN. NICKEL OVERALL
MOUNTING CLIP:
(0.00254)/.000100 MIN. MATTE TIN OVER
(0.00127)/.000050 MIN. NICKEL
- 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.
- 11) PARTS ARE NOT DESIGNED FOR CURRENT SHARING.
- 12) TEXT ON PART IS FOR REFERENCE ONLY. TEXT AND TEXT LOCATION MAY VARY DEPENDING ON PART NUMBER AND/OR TOOL.



PCB LAYOUT: COMPONENT SIDE
RECOMMENDED PCB THICKNESS: SEE CHART

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

QUALITY SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
	DRWN BY	DATE	SCALE	
▽ = 0	MANLAPAZ	1997/12/04	4:1	
▽ = 0	CHK'D BY	DATE	GENERAL TOLERANCES (UNLESS SPECIFIED)	
▽ = 0	BANDURA	1997/12/06	MM	INCH
▽ = 0	APPR BY	DATE	4 PLACES ±	±
▽ = 0	FSMITH	2012/02/02	3 PLACES ±	± 0.01
▽ = 0	EC NO: 116383	DRWN: BAPPELDORN	2 PLACES ±	± 0.25 ± 0.014
▽ = 0	DRWN: BAPPELDORN	CHK'D: JBELL	1 PLACES ±	± 0.35 ±
▽ = 0	REV: APPR: FSMITH	2017/05/03	0 PLACES ±	±
▽ = 0	RELEASE 8CKT	2017/05/05	ANGULAR TOL = 0.5	
▽ = 0			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	
▽ = 0			DRAWING SIZE	
▽ = 0			THIRD ANGLE PROJECTION	
	G2		C	

molex		
MINI-FIT JR BMI SMC VERTICAL HEADER ASM VARIOUS BOARD THICKNESS		
PRODUCT CUSTOMER DRAWING		
SERIES	MATERIAL NUMBER	CUSTOMER
44068	SEE SHEET 2	GENERAL MARKET
DOCUMENT NUMBER	DOC TYPE	DOC PART SHEET NUMBER
SD-44068-031	PSD	000 1 OF 2

12	11	10	9	8	7	6	5	4	3	2	1
FINISH:	1 (SEE NOTE 2)	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. D:	$\frac{(4.90)}{.193}$ REF.		
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.	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:	$\frac{(2.39 \pm 0.18)}{.094 \pm .007}$	PCB THICKNESS:	$\frac{(3.18 \pm 0.18)}{.125 \pm .007}$		
CIRCUITS	MATERIAL NO.	CIRCUITS	MATERIAL NO.	CIRCUITS	MATERIAL NO.	CIRCUITS	MATERIAL NO.	CIRCUITS	MATERIAL NO.		
04	44068-0023	04	44068-0001	04	44068-0045	04	44068-0089	04	44068-0089		
06	44068-0024	06	44068-0002	06	44068-0046	06	44068-0090	06	44068-0090		
08	44068-0025	08	44068-0003	08	44068-0047	08	44068-0091	08	44068-0091		
10	44068-0026	10	44068-0004	10	44068-0048	10	44068-0092	10	44068-0092		
12	X 44068-0027	12	X 44068-0005	12	X 44068-0049	12	X 44068-0093	12	X 44068-0093		
14	44068-0028	14	44068-0006	14	44068-0050	14	44068-0094	14	44068-0094		
16	X 44068-0029	16	X 44068-0007	16	X 44068-0051	16	X 44068-0095	16	X 44068-0095		
18	44068-0030	18	44068-0008	18	44068-0052	18	44068-0096	18	44068-0096		
20	X 44068-0031	20	X 44068-0009	20	X 44068-0053	20	X 44068-0097	20	X 44068-0097		
22	X 44068-0032	22	X 44068-0010	22	X 44068-0054	22	X 44068-0098	22	X 44068-0098		
24	44068-0033	24	44068-0011	24	44068-0055	24	44068-0099	24	44068-0099		

12	11	10	9	8	7	6	5	4	3	2	1
FINISH:	2 (SEE NOTE 2)	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. D:	$\frac{(4.90)}{.193}$ REF.		
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.	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:	$\frac{(2.39 \pm 0.18)}{.094 \pm .007}$	PCB THICKNESS:	$\frac{(3.18 \pm 0.18)}{.125 \pm .007}$		
CIRCUITS	MATERIAL NO.	CIRCUITS	MATERIAL NO.	CIRCUITS	MATERIAL NO.	CIRCUITS	MATERIAL NO.	CIRCUITS	MATERIAL NO.		
04	44068-0034	04	44068-0012	04	44068-0056	04	44068-0100	04	44068-0100		
06	44068-0035	06	44068-0013	06	44068-0057	06	44068-0101	06	44068-0101		
08	44068-0036	08	44068-0014	08	44068-0058	08	44068-0102	08	44068-0102		
10	44068-0037	10	44068-0015	10	44068-0059	10	44068-0103	10	44068-0103		
12	X 44068-0038	12	X 44068-0016	12	X 44068-0060	12	X 44068-0104	12	X 44068-0104		
14	44068-0039	14	44068-0017	14	44068-0061	14	44068-0105	14	44068-0105		
16	X 44068-0040	16	X 44068-0018	16	X 44068-0062	16	X 44068-0106	16	X 44068-0106		
18	44068-0041	18	44068-0019	18	44068-0063	18	44068-0107	18	44068-0107		
20	X 44068-0042	20	X 44068-0020	20	X 44068-0064	20	X 44068-0108	20	X 44068-0108		
22	X 44068-0043	22	X 44068-0021	22	X 44068-0065	22	X 44068-0109	22	X 44068-0109		
24	44068-0044	24	44068-0022	24	44068-0066	24	44068-0110	24	44068-0110		

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

QUALITY SYMBOLS 	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
	RELEASE 8CKT EC NO: 116383 DRWN: BAPPELDORN CHKD: JBELL REV / APPR: FSMITH	GENERAL TOLERANCES (UNLESS SPECIFIED) MM INCH 4 PLACES ± ± 3 PLACES ± ± 0.01 2 PLACES ± 0.25 ± 0.014 1 PLACES ± 0.35 ± 0 PLACES ± ±			DIMENSION UNITS MM/IN		SCALE 1:1					MINI-FIT JR BMI SMC VERTICAL HEADER ASM VARIOUS BOARD THICKNESS		
		DRWN BY MANLAPAZ		DATE 1997/12/04		CHK'D BY BANDURA		DATE 1997/12/06						
		APPR BY FSMITH		DATE 2012/02/02		PRODUCT CUSTOMER DRAWING			SERIES MATERIAL NUMBER CUSTOMER 44068 SEE SHEET 2 GENERAL MARKET					
		ANGULAR TOL = 0.5			DRAWING SIZE C		THIRD ANGLE PROJECTION 			DOCUMENT NUMBER SD-44068-031			DOC TYPE DOC PART SHEET NUMBER PSD 000 2 OF 2	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			DRWN BY MANLAPAZ			DATE 1997/12/04			CHK'D BY BANDURA			DATE 1997/12/06
	APPR BY FSMITH			DATE 2012/02/02			PRODUCT CUSTOMER DRAWING			SERIES MATERIAL NUMBER CUSTOMER 44068 SEE SHEET 2 GENERAL MARKET				
	ANGULAR TOL = 0.5			DRAWING SIZE C		THIRD ANGLE PROJECTION 			DOCUMENT NUMBER SD-44068-031			DOC TYPE DOC PART SHEET NUMBER PSD 000 2 OF 2		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			DRWN BY MANLAPAZ			DATE 1997/12/04			CHK'D BY BANDURA			DATE 1997/12/06	
	APPR BY FSMITH			DATE 2012/02/02			PRODUCT CUSTOMER DRAWING			SERIES MATERIAL NUMBER CUSTOMER 44068 SEE SHEET 2 GENERAL MARKET				