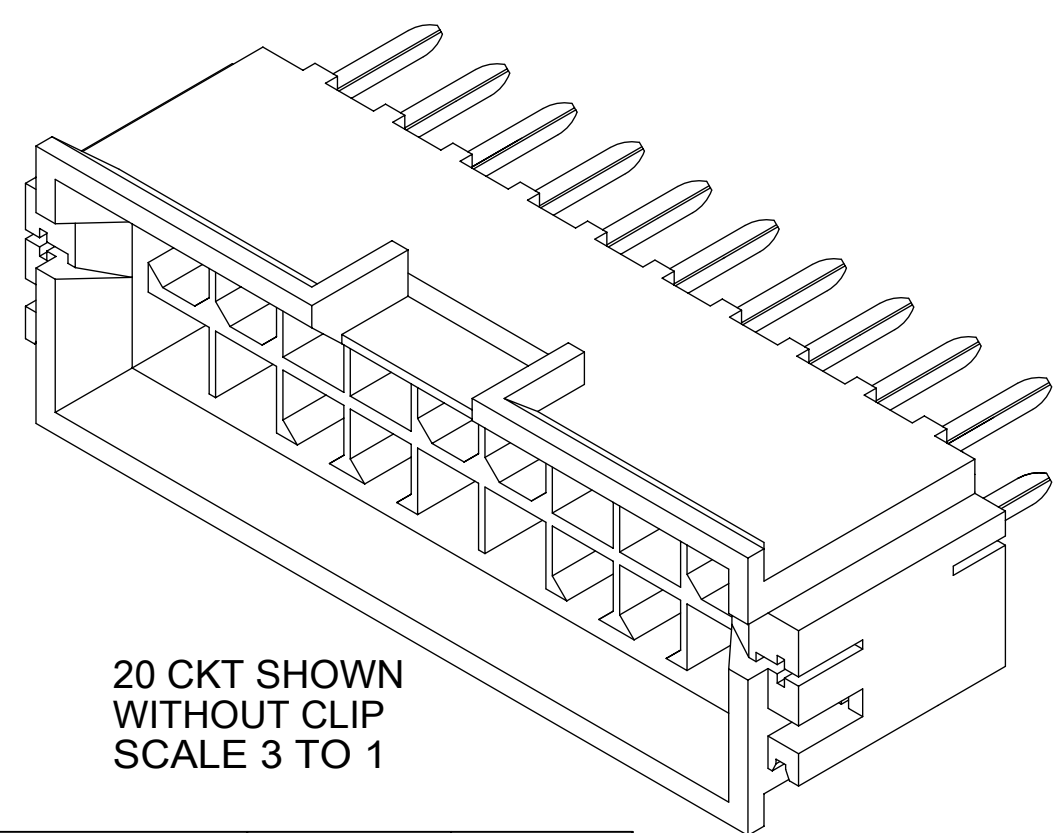
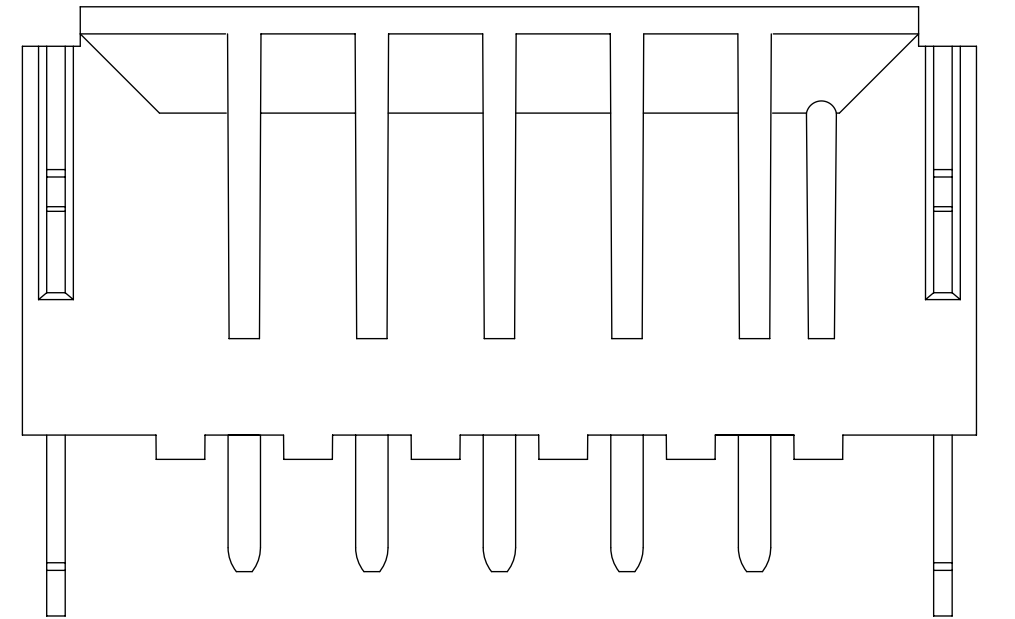


- NOTES:
- MATERIALS:  
HOUSING: PA46 FILLED COLOR: BLACK, UL94V-0  
TERMINAL: BRASS  
BOARD RETENTION CLIP: BRASS
  - FINISHES:  
TERMINAL:  
B = 0.00076/(.000030) MIN. SELECT GOLD AND 0.00254/(.000100) MIN. SELECT MATTE TIN OVER 0.00127/(.000050) MIN. NICKEL OVERALL  
C = 0.00254/(.000100) MIN. MATTE TIN OVER NICKEL  
MOUNTING CLIP:  
1. (0.00254)/.000100 MIN. MATTE TIN OVER (0.00127)/.000050 MIN. NICKEL  
2. NOT PLATED
  - PRODUCT SPECIFICATIONS: PS-43810-001
  - PACKAGING SPECIFICATION: PK-43879-001
  - PART MATES WITH MOLEX RECEPTACLE #5557 AND #42474 AND #44516 AND #42385 HEADER.
  - PART ALLOWS FOR 1.27/.050 MAX. MIS-ALIGNMENT WITH MATING HOUSINGS IN ANY DIRECTION.
  - CONNECTOR ASSEMBLIES ARE NOT TO BE MATED AND UNMATED WHILE CIRCUITS ARE LIVE.
  - MAKE FIRST BREAK LAST PINS SHOWN. FOR THIS PART WITH STANDARD MATING LENGTH SEE DRAWING # SD-44068-031
  - THIS DIMENSION DOES NOT APPLY TO PARTS WITHOUT P.C. BOARD RETENTION CLIPS.
  - THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.
  - 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.
  - TEXT ON PART IS FOR REFERENCE ONLY. TEXT AND TEXT LOCATION MAY VARY DEPENDING ON PART NUMBER AND/OR TOOL.



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

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DIMENSION UNITS		SCALE		CURRENT REV DESC: OBSOLETE PART NUMBER			
mm		NTS		<p><b>molex</b></p> <p>MINI-FIT JR BMI VERTICAL HEADER ASSY MAKE-FIRST/BREAK-LAST</p> <p>PRODUCT CUSTOMER DRAWING</p> <p>DOCUMENT NUMBER: SD-44068-051   DOC TYPE: PSD   DOC PART: 000   REVISION: E9</p> <p>MATERIAL NUMBER: SEE SHEET 2   CUSTOMER: GENERAL MARKET   SHEET NUMBER: 1 OF 2</p>			
GENERAL TOLERANCES (UNLESS SPECIFIED)							
		MM	INCH				
4 PLACES	±	±	±				
3 PLACES	±	±	±				
2 PLACES	± 0.25	±	±				
1 PLACE	± 0.35	±	±				
0 PLACES	±	±	±				
ANGULAR TOL ± 0.5°		THIRD ANGLE PROJECTION		DRAWING		SERIES	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				C-SIZE		44068	

EC NO: 655037  
DRWN: VLOKESHA 2020/12/15  
CHK'D: GGA 2021/03/16  
APPR: GGA 2021/03/16

INITIAL REVISION:  
DRWN: MANAPALZ 1997/04/12  
APPR: FSMITH 2011/06/07

ITEMS PRECEDED BY "X" ARE NOT AVAILABLE

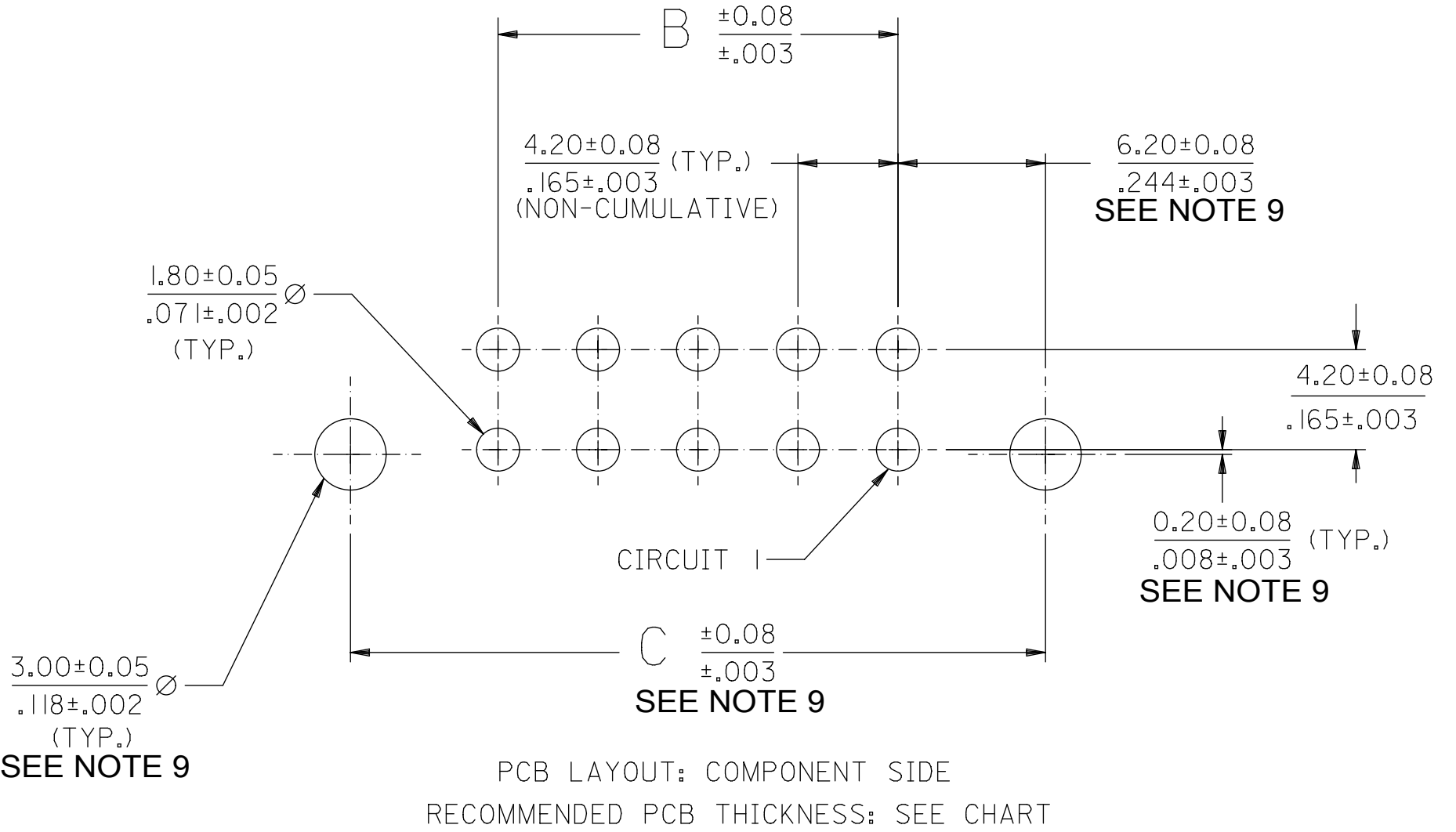
"X"	ITEM NO.	CHARACTERISTIC DESCRIPTION	CKT. SIZE	TERMINAL VERSION REQUIRED AT EACH CIRCUIT LOCATION: "S" = STD. LENGTH "M" = MAKE-FIRST/BREAK-LAST "V" = VOIDED CIRCUIT																								DIM "D" REF.	DIM "E"	P.C. BOARD THICKNESS	MOUNTING CLIP PLATING
				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24				
	44068-0241	10BB	10	BM	BS	BS	BS	BS	BS	BS	BS	BS	BM	-	-	-	-	-	-	-	-	-	-	-	-	-	5.21 (.205)	N / A	N / A	N/A	
	44068-0242	18BC	18	CS	CS	CM	CS	CS	CS	CM	CS	CS	CS	CS	CM	CS	CS	CS	CM	CS	CS	-	-	-	-	-	5.70 (.224)	3.39 (.133)	3.18±0.18 (.125±.007)	1	
X	44068-1003	18BB	18	BM	BS	BS	BS	BS	BS	BS	BS	BM	BM	BS	BS	BS	BS	BS	BS	BS	BM	-	-	-	-	-	3.30 (.130)	1.79 (.070)	1.60±0.18 (.063±.007)	2	
X	44068-1004	14BB	14	BM	BS	BS	BS	BS	BS	BM	BM	BS	BS	BS	BS	BM	-	-	-	-	-	-	-	-	-	3.30 (.130)	1.79 (.070)	1.60±0.18 (.063±.007)	2		
	44068-1006	24BB	24	BM	BS	BM	BM	BM	BM	BM	BM	BM	BM	BM	BS	BM	BS	BM	BM	BM	BM	BM	BM	BM	BM	BS	4.50 (.177)	2.60 (.102)	2.39±0.18 (.094±.007)	1	
X	44068-1040	10BC	10	CM	CM	CS	CM	CM	CM	CM	CS	CM	CM	-	-	-	-	-	-	-	-	-	-	-	-	3.30 (.130)	1.79 (.070)	1.60±0.18 (.063±.007)	1		
X	44068-1041	18BC	18	CM	CM	CM	CM	CM	CM	CS	CM	CM	CM	CM	CM	CM	CS	CM	CM	CM	-	-	-	-	-	3.30 (.130)	1.79 (.070)	1.60±0.18 (.063±.007)	1		
	44068-1012	18BC	18	CM	CM	V	CM	CM	V	CS	V	CM	CM	CM	V	CM	CM	V	CS	V	CM	-	-	-	-	3.30 (.130)	1.79 (.070)	1.60±0.18 (.063±.007)	1		
X	44068-1043	10BB	10	BM	BM	BS	BM	BM	BM	BM	BS	BM	BM	-	-	-	-	-	-	-	-	-	-	-	-	3.30 (.130)	1.79 (.070)	1.60±0.18 (.063±.007)	1		
X	44068-1044	18BB	18	BM	BM	BM	BM	BM	BM	BS	BM	BM	BM	BM	BM	BM	BS	BM	BM	BM	-	-	-	-	-	3.30 (.130)	1.79 (.070)	1.60±0.18 (.063±.007)	1		
	44068-1015	18BC	18	CS	CS	CS	CS	CS	CS	CS	CS	CS	CS	CS	CS	CS	CS	CS	CS	CS	CS	-	-	-	-	3.30 (.130)	N/A	1.60±0.18 (.063±.007)	N/A		
	44068-1016	04BC	04	CS	CS	CS	CS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.30 (.130)	N/A	1.60±0.18 (.063±.007)	N/A		
	44068-1017	10BB	10	BM	BM	BM	BM	BM	BM	BM	BS	BM	BM	-	-	-	-	-	-	-	-	-	-	-	-	4.50 (.177)	2.60 (.102)	2.39±0.18 (.094±.007)	1		
	44068-1018	14BB	14	BS	BS	BS	BS	BS	BS	BS	BS	BS	BS	BS	BS	BS	BM	-	-	-	-	-	-	-	-	4.88 (.192)	3.39 (.133)	3.18±0.18 (.125±.007)	1		

CHARACTERISTICS LEGEND:

CIRCUIT SIZE \_\_\_\_\_ \*\* \* \*  
 (02-24)

HOUSING MAT'L. (SEE NOTE 1) \_\_\_\_\_  
 "B" = NYLON 4/6, U.L. 94V-0, COLOR: NATURAL (BLACK)

TERMINAL PLATING (SEE NOTE 2) \_\_\_\_\_  
 "B" = SELECT GOLD  
 "C" = MATTE TIN



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DIMENSION UNITS	SCALE	CURRENT REV DESC: OBSOLETE PART NUMBER	
MM/IN	NTS		
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 655037	
4 PLACES	±	DRWN: VLOKESHA	2020/12/15
3 PLACES	±	CHK'D: GGA	2021/03/16
2 PLACES	± 0.25	APPR: GGA	2021/03/16
1 PLACE	± 0.35	INITIAL REVISION:	
0 PLACES	±	DRWN: MANAPALZ	1997/04/12
ANGULAR TOL	± 0.5 °	APPR: FSMITH	2011/06/07
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING SERIES
			C-SIZE 44068

molex			
MINI-FIT JR BMI VERTICAL HEADER ASSY MAKE-FIRST/BREAK-LAST			
PRODUCT CUSTOMER DRAWING			
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-44068-051	PSD	000	E9
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER	
SEE SHEET 2	GENERAL MARKET	2 OF 2	