

PCB LAYOUT:
COMPONENT SIDE
4 CIRCUIT ONLY

PCB LAYOUT:
COMPONENT SIDE
6 CIRCUIT ONLY

PCB LAYOUT: COMPONENT SIDE
RECOMMENDED PCB THICKNESS .130/3.30 (SEE NOTE 7)
8 THRU 24 CIRCUITS

CIRCUIT SIZE	A	B	C
04	.512 13.00	.118 3.00	NA
06	.630 16.00	.236 6.00	NA
08	.748 19.00	.354 9.00	.184 4.68
10	.866 22.00	.472 12.00	.302 7.68
12	.984 25.00	.590 15.00	.420 10.68
14	1.102 28.00	.709 18.00	.539 13.68
16	1.220 31.00	.827 21.00	.657 16.68
18	1.338 34.00	.945 24.00	.775 19.68
20	1.457 37.00	1.063 27.00	.893 22.68
22	1.575 40.00	1.181 30.00	1.011 25.68
24	1.693 43.00	1.299 33.00	1.129 28.68

NOTES :

- MATERIALS - HOUSING :
A = NYLON , GLASS-FILLED, UL94V-0, COLOR - BLACK.
B = LCP, GLASS-FILLED, UL94V-0, COLLOR - BLACK (LOW HALOGEN).
TERMINAL : BRASS ALLOY
TERMINAL POSITIONING STRIP : HIGH TEMPERATURE PET LAMINATE. COLOR - NATURAL
- FINISH:
A= .000100/(0.00254) MIN. MATTE TIN OVER .000050/(0.00127) MIN. NICKEL.
B= .000015/(0.00038) MIN. SELECT GOLD IN CONTACT AREA, .000100/(0.00254) MIN. MATTE TIN ON SOLDER TAILS, BOTH OVER .000050/(0.00127) MIN. NICKEL.
C= .000030/(0.00076) MIN. SELECT GOLD IN CONTACT AREA, .000100/(0.00254) MIN. MATTE TIN ON SOLDER TAILS, BOTH OVER .000050/(0.00127) MIN. NICKEL.
- PRODUCT SPECIFICATION : PS-44300-001
- PACKAGING SPECIFICATION : PK-44428-001
- THIS ASSEMBLY MATES WITH MOLEX BMI PANEL MOUNT RECEPTACLE SERIES 44133 WITH FEMALE CRIMP TERMINAL SERIES 43030 OR 46235, AND BMI RECEPTACLE HEADER SERIES 44764 (RIGHT ANGLE) AND 44769 (VERTICAL).
- THIS PART CONFORMS TO CLASS 'B' REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.
- RETENTION PEGS WILL NOT LATCH TO PCB THICKNESS GREATER THAN .062/1.57.

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
SYMBOLS		DIMENSION UNITS		SCALE		CURRENT REV DESC: ADD 44428-XX10 P/N'S; FINISH "A" TO MATTE SN; ADD LCP HOUSING MATERIAL			
∇ = 0	IN/MM	NTS		EC NO: 629554 DRWN: JEHRISMAN 2019/12/20 CHK'D: SSOUSEK 2020/01/03 APPR: FSMITH 2020/01/08					
∇ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)								
∇ = 0	MM	INCH							
S = 0	4 PLACES	±	±	INITIAL REVISION: DRWN: SSOUSEK 2009/06/01 APPR: FSMITH 2016/02/15					
∇ = 0	3 PLACES	±	± 0.01						
∇ = 0	2 PLACES	± 0.25	± 0.015						
∇ = 0	1 PLACE	± 0.38	±	DRAWING SERIES C-SIZE 44428					
∇ = 0	0 PLACES	±	±						
∇ = 0	ANGULAR TOL ± 0.5 °								
∇ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION		MATERIAL NUMBER		CUSTOMER	
∇ = 0						SEE TABLE		GENERAL MARKET	

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MICRO FIT(3.0) BMI RIGHT ANGLE, .130 PCB DUAL ROW HEADER ASSEMBLY

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER DOC TYPE DOC PART REVISION

SD-44428-006 PSD 001 A4

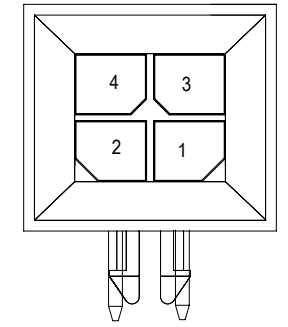
MATERIAL NUMBER CUSTOMER SHEET NUMBER

SEE TABLE GENERAL MARKET 1 OF 2

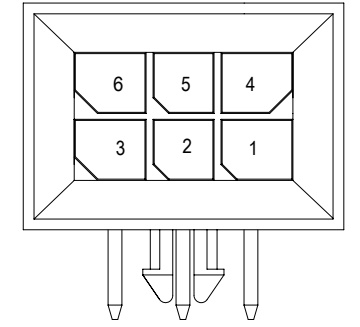
MATERIAL NUMBER	NUMBER OF CIRCUITS	FINISH OPTION	RETENTION PEG OPTION	HOUSING MATERIAL
44428-0408	04	A	YES	B
44428-0409	04	B	YES	
44428-0410	04	C	YES	
NOT ASSIGNED	04	A	NO	
NOT ASSIGNED	04	B	NO	
NOT ASSIGNED	04	C	NO	
44428-0608	06	A	YES	
44428-0609	06	B	YES	
44428-0610	06	C	YES	
NOT ASSIGNED	06	A	NO	
NOT ASSIGNED	06	B	NO	
NOT ASSIGNED	06	C	NO	
44428-0808	08	A	YES	B
44428-0809	08	B	YES	
44428-0810	08	C	YES	
NOT ASSIGNED	08	A	NO	
NOT ASSIGNED	08	B	NO	
NOT ASSIGNED	08	C	NO	
44428-1008	10	A	YES	
44428-1009	10	B	YES	
44428-1010	10	C	YES	
NOT ASSIGNED	10	A	NO	
NOT ASSIGNED	10	B	NO	
NOT ASSIGNED	10	C	NO	
44428-1208	12	A	YES	A
44428-1209	12	B	YES	
44428-1210	12	C	YES	
NOT ASSIGNED	12	A	NO	B
NOT ASSIGNED	12	B	NO	
NOT ASSIGNED	12	C	NO	
44428-1408	14	A	YES	
44428-1409	14	B	YES	
44428-1410	14	C	YES	
NOT ASSIGNED	14	A	NO	
NOT ASSIGNED	14	B	NO	
NOT ASSIGNED	14	C	NO	

MATERIAL NUMBER	NUMBER OF CIRCUITS	FINISH OPTION	RETENTION PEG OPTION	HOUSING MATERIAL
44428-1608	16	A	YES	B
44428-1609	16	B	YES	
44428-1610	16	C	YES	
NOT ASSIGNED	16	A	NO	
NOT ASSIGNED	16	B	NO	
NOT ASSIGNED	16	C	NO	
44428-1808	18	A	YES	
44428-1809	18	B	YES	
44428-1810	18	C	YES	
NOT ASSIGNED	18	A	NO	
NOT ASSIGNED	18	B	NO	
NOT ASSIGNED	18	C	NO	
44428-2008	20	A	YES	B
44428-2009	20	B	YES	
44428-2010	20	C	YES	
NOT ASSIGNED	20	A	NO	
NOT ASSIGNED	20	B	NO	
NOT ASSIGNED	20	C	NO	
44428-2208	22	A	YES	
44428-2209	22	B	YES	
44428-2210	22	C	YES	
NOT ASSIGNED	22	A	NO	
NOT ASSIGNED	22	B	NO	
NOT ASSIGNED	22	C	NO	
44428-2408	24	A	YES	B
44428-2409	24	B	YES	
44428-2410	24	C	YES	
NOT ASSIGNED	24	A	NO	
NOT ASSIGNED	24	B	NO	
NOT ASSIGNED	24	C	NO	

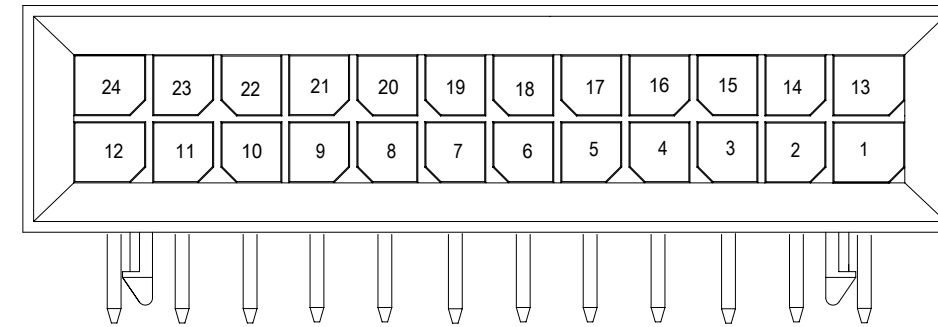
POLARIZATION LAYOUT
4-24 CIRCUITS



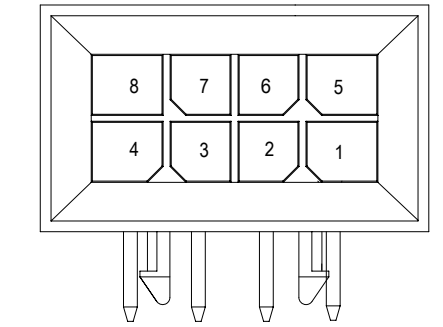
4 CIRCUIT



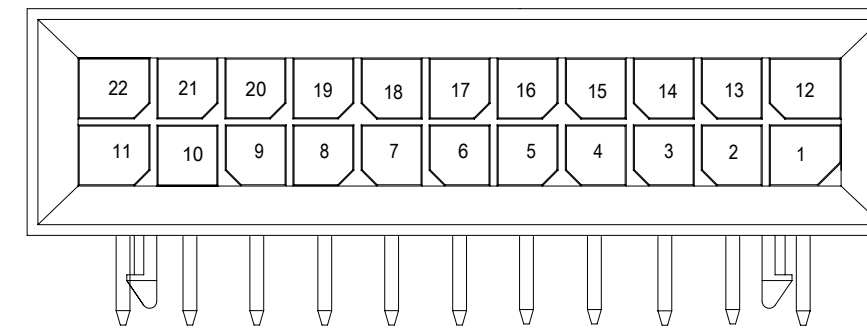
6 CIRCUIT



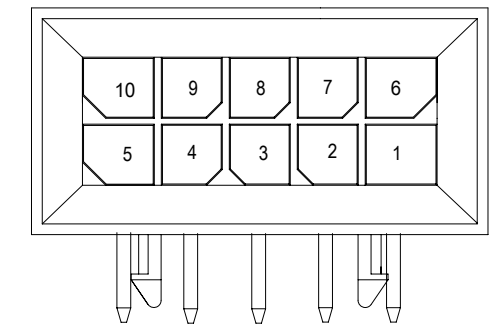
24 CIRCUIT



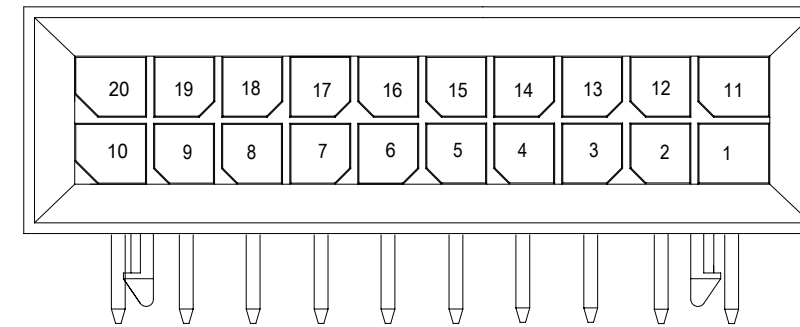
8 CIRCUIT



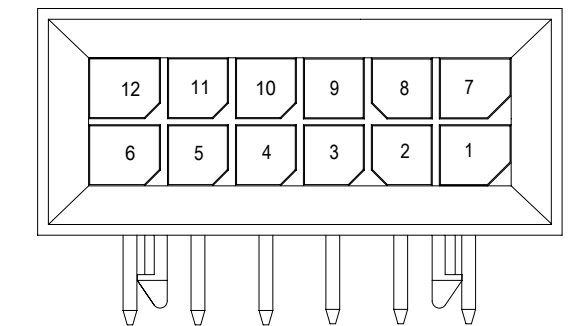
22 CIRCUIT



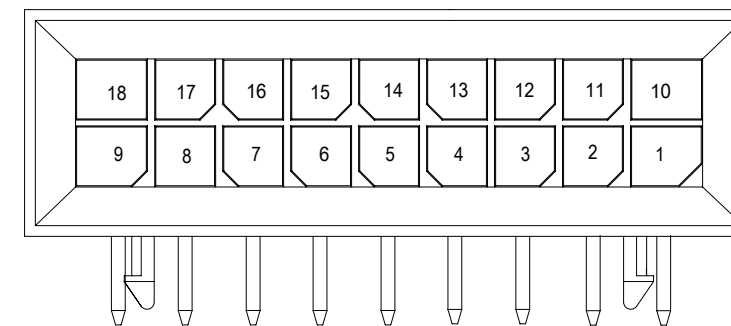
10 CIRCUIT



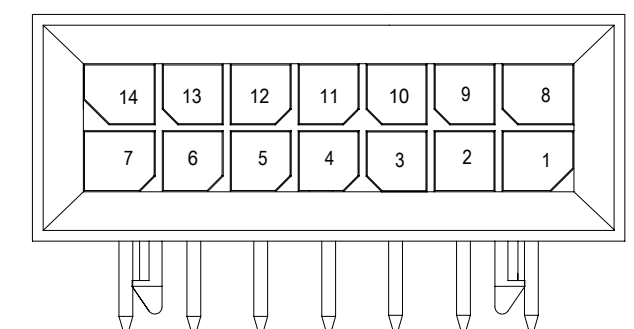
20 CIRCUIT



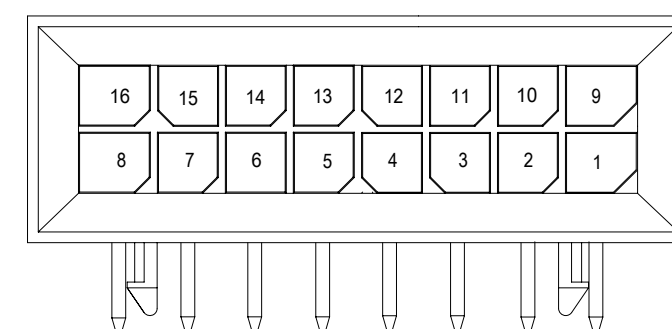
12 CIRCUIT



18 CIRCUIT



14 CIRCUIT



16 CIRCUIT

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▽ = 0	4 PLACES	±	±	
▽ = 0	3 PLACES	±	± 0.01	SERIES 44428
▽ = 0	2 PLACES	± 0.25	± 0.015	
▽ = 0	1 PLACE	± 0.38	±	DRAWING C-SIZE
▽ = 0	0 PLACES	±	±	
▽ = 0	ANGULAR TOL	± 0.5 °		SHEET NUMBER 2 OF 2
▽ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			
▽ = 0	THIRD ANGLE PROJECTION		CUSTOMER GENERAL MARKET	

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MICRO FIT(3.0) BMI RIGHT ANGLE, .130 PCB DUAL ROW HEADER ASSEMBLY

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DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-44428-006	PSD	001	A4

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKET	2 OF 2