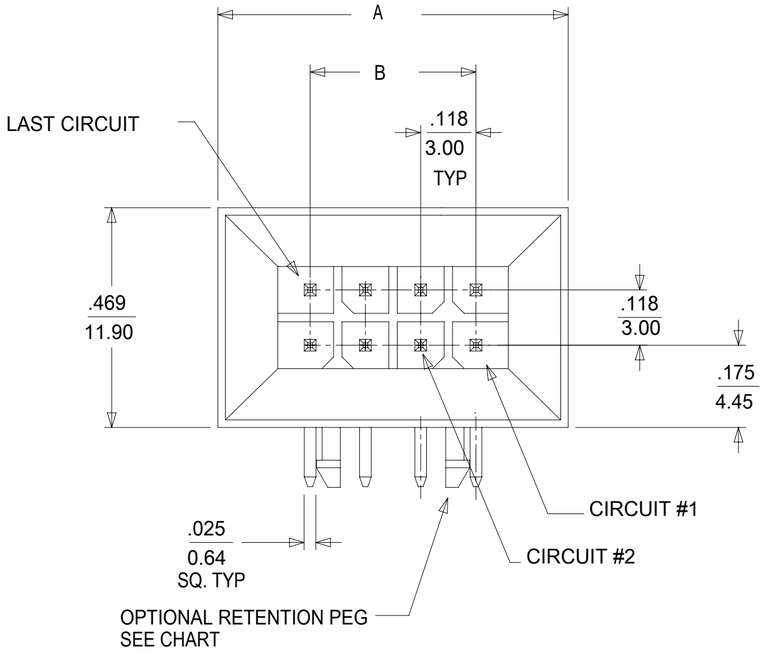
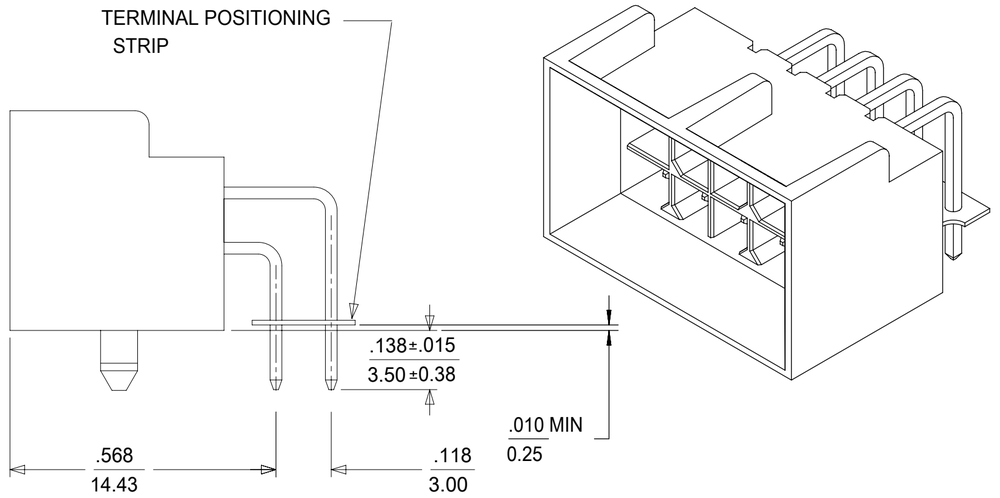
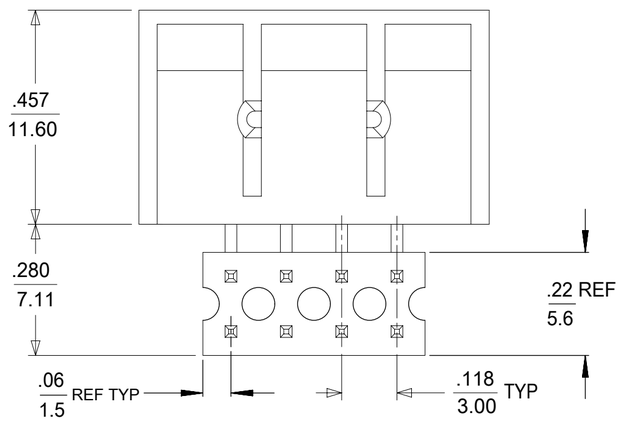
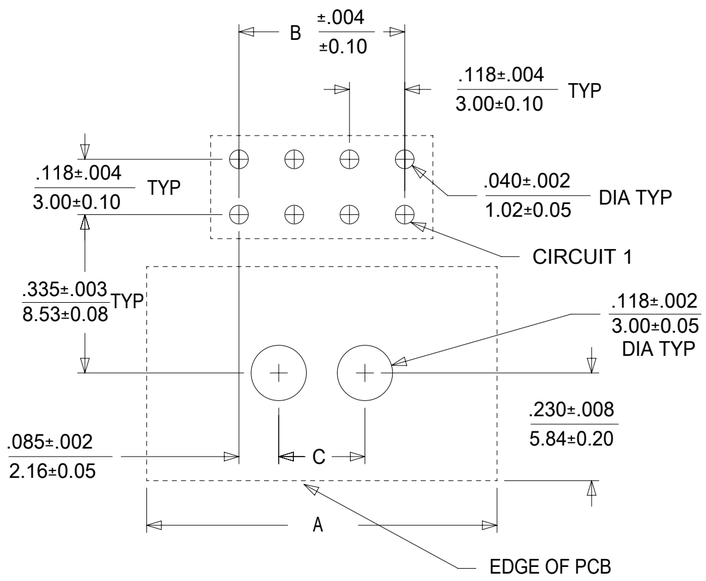




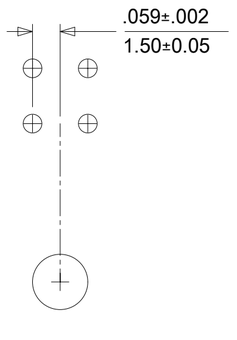
CIRCUIT SIZE	A	B	C
04	.512 / 13.00	.118 / 3.00	NA
06	.630 / 16.00	.236 / 6.00	NA
08	.748 / 19.00	.354 / 9.00	.184 / 4.68
10	.866 / 22.00	.472 / 12.00	.302 / 7.68
12	.984 / 25.00	.590 / 15.00	.420 / 10.68
14	1.102 / 28.00	.709 / 18.00	.539 / 13.68
16	1.220 / 31.00	.827 / 21.00	.657 / 16.68
18	1.338 / 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





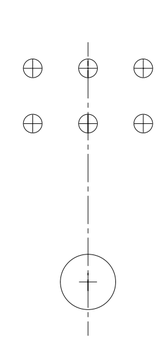
PCB LAYOUT: COMPONENT SIDE
RECOMMENDED PCB THICKNESS .062/1.57

8 THRU 24 CIRCUITS



PCB LAYOUT:
COMPONENT SIDE

4 CIRCUIT ONLY



PCB LAYOUT:
COMPONENT SIDE

6 CIRCUIT ONLY

NOTES :

1. MATERIALS -
   HOUSING : LCP, GLASS-FILLED, UL94V-0 COLOR - BLACK
   TERMINAL : BRASS ALLOY
   TERMINAL POSITIONING STRIP : HIGH TEMPERATURE PET LAMINATE
   COLOR - NATURAL
2. FINISH:
   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.
   D= .000100/(0.00254) MIN MATTE TIN OVER
   .000050/(0.00127) MIN NICKEL
3. PRODUCT SPECIFICATION : PS-44300-001
4. PACKAGING SPECIFICATION : PK-44428-001
5. THIS ASSEMBLY MATES WITH MOLEX BMI PANEL MOUNT RECEPTACLE SERIES 44133 WITH FEMALE CRIMP TERMINAL SERIES 43030 OR 46235, OR BMI RECEPTACLE HEADER SERIES 44764 (RIGHT ANGLE) AND 44769 (VERTICAL).
6. THIS PART CONFORMS TO CLASS 'B' REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.

DOCUMENT STATUS	P1	RELEASE DATE	2021/08/27 15:33:28

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

SYMBOLS: F = 0, E = 0, P = 0, S = 0, ▼ = 0, C = 0, ☒ = 0, ■ = 0, V = 0

DIMENSION UNITS: IN/MM
SCALE: 4:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

	MM	INCH
4 PLACES	±	±
3 PLACES	±	± 0.01
2 PLACES	± 0.25	± 0.015
1 PLACE	± 0.38	±
0 PLACES	±	±
ANGULAR TOL	± 0.5 °	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: CHANGE OVERALL BRIGHT TIN FINISH PARTS TO MATTE TIN FINISH

EC NO: 635347
DRWN: JEHRISMAN 2020/01/09
CHK'D: SSOUSEK 2021/08/27
APPR: FSMITH 2021/08/27

INITIAL REVISION:
DRWN: GMARANANI 2010/06/11
APPR: FSMITH 2016/02/15

THIRD ANGLE PROJECTION | DRAWING: C-SIZE | SERIES: 44428

molex

MICRO FIT (3.0) BMI DUAL ROW LOW HALOGEN RIGHT ANGLE HEADER

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-44428-007	PSD	001	B

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKET	1 OF 3

FORMAT: Eng-lega-master-tb-prod-C
REVISION: D
DATE: 2018/01/18

MATERIAL NUMBER	NUMBER OF CIRCUITS	FINISH OPTION	RETENTION PEG OPTION
44428-0481	04	D	YES
44428-0482	04	B	YES
44428-0483	04	C	YES
44428-0488	04	D	YES
44428-0484	04	D	NO
44428-0485	04	B	NO
44428-0486	04	C	NO
44428-0487	04	D	NO
44428-0681	06	D	YES
44428-0682	06	B	YES
44428-0683	06	C	YES
44428-0688	06	D	YES
44428-0684	06	D	NO
44428-0685	06	B	NO
44428-0686	06	C	NO
44428-0687	06	D	NO
44428-0881	08	D	YES
44428-0882	08	B	YES
44428-0883	08	C	YES
44428-0888	08	D	YES
44428-0884	08	D	NO
44428-0885	08	B	NO
44428-0886	08	C	NO
44428-0887	08	D	NO
44428-1081	10	D	YES
44428-1082	10	B	YES
44428-1083	10	C	YES
44428-1088	10	D	YES
44428-1084	10	D	NO
44428-1085	10	B	NO
44428-1086	10	C	NO
44428-1087	10	D	NO
44428-1281	12	D	YES
44428-1282	12	B	YES
44428-1283	12	C	YES
44428-1288	12	D	YES
44428-1284	12	D	NO
44428-1285	12	B	NO
44428-1286	12	C	NO
44428-1287	12	D	NO
44428-1481	14	D	YES
44428-1482	14	B	YES
44428-1483	14	C	YES
44428-1488	14	D	YES
44428-1484	14	D	NO

MATERIAL NUMBER	NUMBER OF CIRCUITS	FINISH OPTION	RETENTION PEG OPTION
44428-1485	14	B	NO
44428-1486	14	C	NO
44428-1487	14	D	NO
44428-1681	16	D	YES
44428-1682	16	B	YES
44428-1683	16	C	YES
44428-1688	16	D	YES
44428-1684	16	D	NO
44428-1685	16	B	NO
44428-1686	16	C	NO
44428-1687	16	D	NO
44428-1881	18	D	YES
44428-1882	18	B	YES
44428-1883	18	C	YES
44428-1888	18	D	YES
44428-1884	18	D	NO
44428-1885	18	B	NO
44428-1886	18	C	NO
44428-1887	18	D	NO
44428-2081	20	D	YES
44428-2082	20	B	YES
44428-2083	20	C	YES
44428-2088	20	D	YES
44428-2084	20	D	NO
44428-2085	20	B	NO
44428-2086	20	C	NO
44428-2087	20	D	NO
44428-2281	22	D	YES
44428-2282	22	B	YES
44428-2283	22	C	YES
44428-2288	22	D	YES
44428-2284	22	D	NO
44428-2285	22	B	NO
44428-2286	22	C	NO
44428-2287	22	D	NO
44428-2481	24	D	YES

MATERIAL NUMBER	NUMBER OF CIRCUITS	FINISH OPTION	RETENTION PEG OPTION
44428-2482	24	B	YES
44428-2483	24	C	YES
44428-2488	24	D	YES
44428-2484	24	D	NO
44428-2485	24	B	NO
44428-2486	24	C	NO
44428-2487	24	D	NO

DOCUMENT STATUS	P1	RELEASE DATE	2021/08/27 15:33:28

FORMAT: Eng-lega-master-tb-prod-C
REVISION: D
DATE: 2018/01/18

SYMBOLS
(A) = 0
(E) = 0
(F) = 0
(S) = 0
= 0
(C) = 0
= 0
= 0
(V) = 0

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DIMENSION UNITS: IN/MM
SCALE: 4:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

	MM	INCH
4 PLACES	±	±
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1 PLACE	± 0.38	±
0 PLACES	±	±
ANGULAR TOL	± 0.5 °	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: CHANGE OVERALL BRIGHT TIN FINISH PARTS TO MATTE TIN FINISH

EC NO: 635347
DRWN: JEHRISMAN 2020/01/09
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APPR: FSMITH 2021/08/27

INITIAL REVISION:
DRWN: GMARANANI 2010/06/11
APPR: FSMITH 2016/02/15

THIRD ANGLE PROJECTION | DRAWING: C-SIZE | SERIES: 44428

molex

MICRO FIT (3.0) BMI DUAL ROW LOW HALOGEN RIGHT ANGLE HEADER

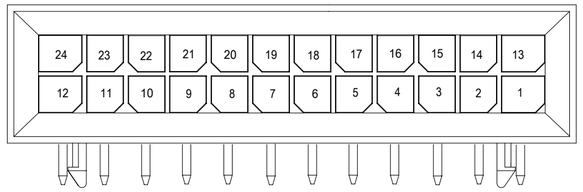
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-44428-007	PSD	001	B

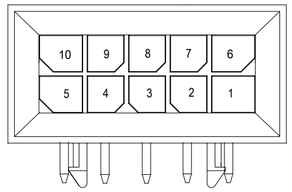
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKET	2 OF 3

POLARIZATION LAYOUT

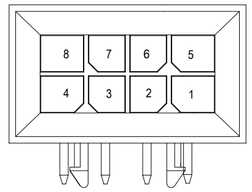
4-24 CIRCUITS



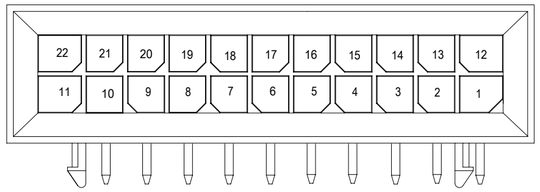
24 CIRCUIT



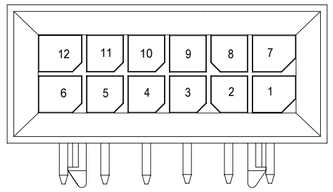
10 CIRCUIT



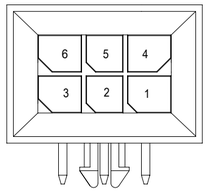
8 CIRCUIT



22 CIRCUIT



12 CIRCUIT

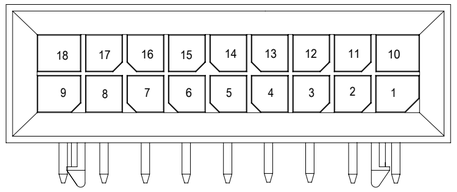


6 CIRCUIT

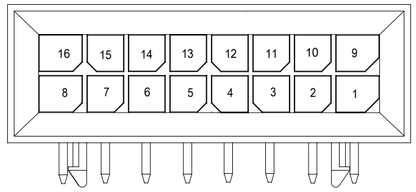
20 CIRCUIT

14 CIRCUIT

4 CIRCUIT



18 CIRCUIT



16 CIRCUIT

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
FA = 0	DIMENSION UNITS: IN/MM	SCALE: 4:1	CURRENT REV DESC: CHANGE OVERALL BRIGHT TIN FINISH PARTS TO MATTE TIN FINISH	molex	
FC = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)				
FD = 0		MM / INCH	EC NO: 635347	MICRO FIT (3.0) BMI DUAL ROW LOW HALOGEN RIGHT ANGLE HEADER	
S = 0	4 PLACES: ± / ±		DRWN: JEHRISMAN 2020/01/09		
= 0	3 PLACES: ± / ± 0.01		CHK'D: SSOUSEK 2021/08/27	PRODUCT CUSTOMER DRAWING	
= 0	2 PLACES: ± 0.25 / ± 0.015		APPR: FSMITH 2021/08/27		
C = 0	1 PLACE: ± 0.38 / ±		INITIAL REVISION:	DOCUMENT NUMBER: SD-44428-007	DOC TYPE: PSD / DOC PART: 001 / REVISION: B
= 0	0 PLACES: ± / ±		DRWN: GMARANANI 2010/06/11		
= 0	ANGULAR TOL: ± 0.5 °		APPR: FSMITH 2016/02/15		
V = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION / DRAWING: C-SIZE / SERIES: 44428	MATERIAL NUMBER: SEE TABLE / CUSTOMER: GENERAL MARKET	SHEET NUMBER: 3 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2021/08/27 15:33:28

FORMAT: Eng-lega-master-tb-prod-C
REVISION: D
DATE: 2018/01/18