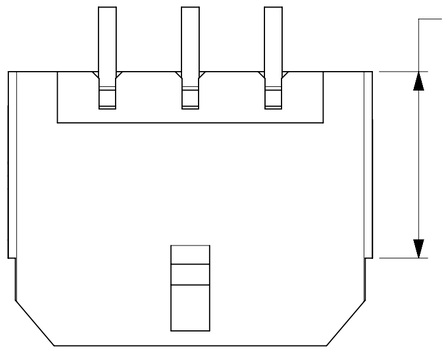
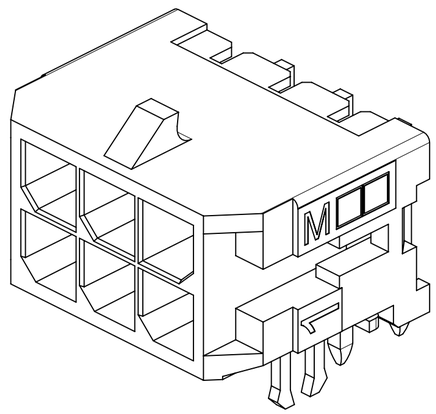
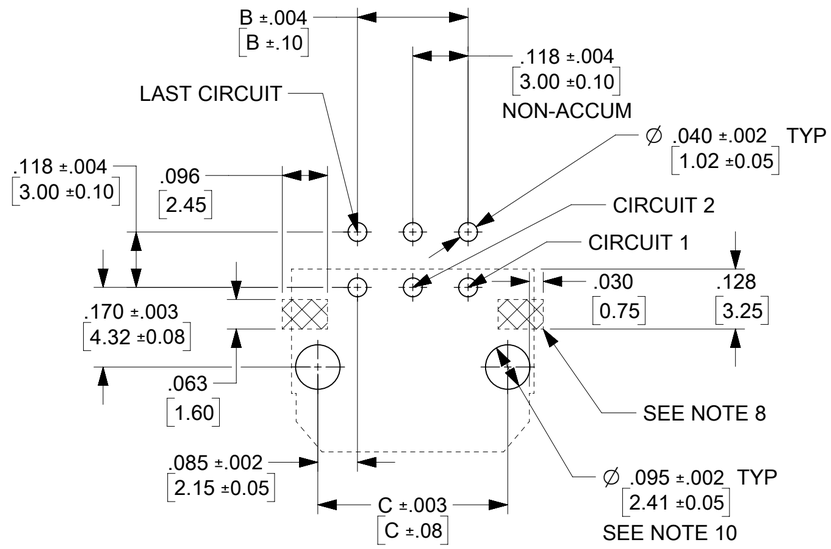
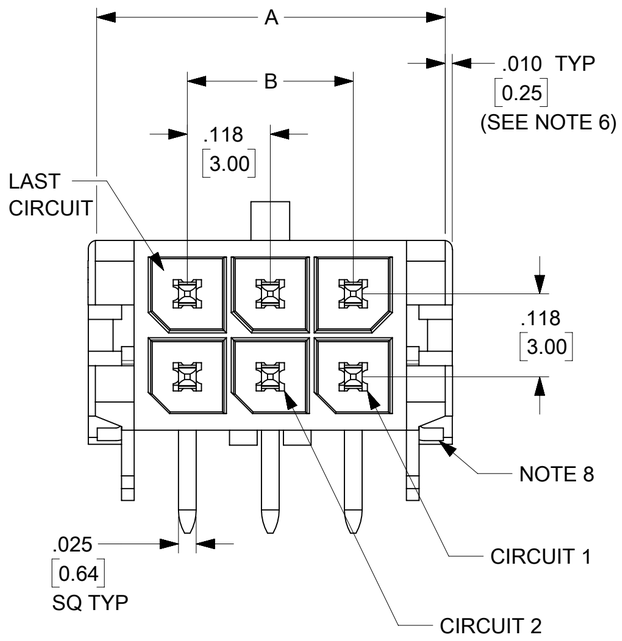
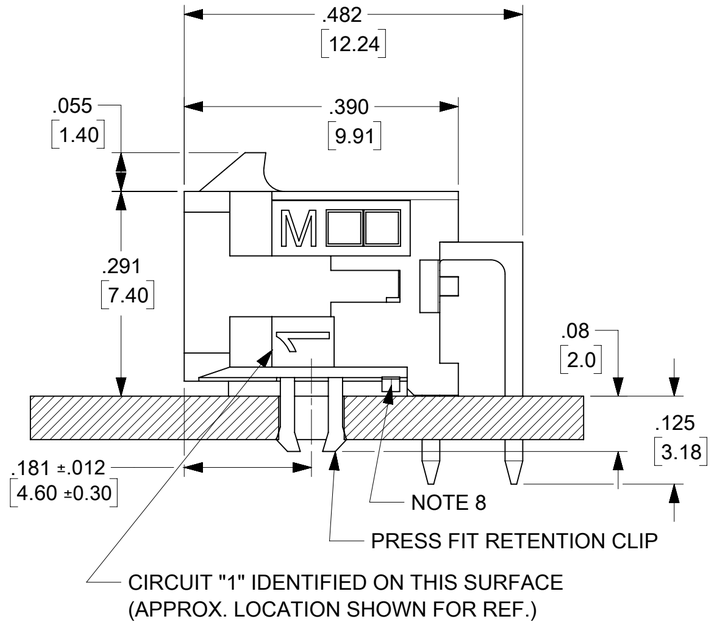








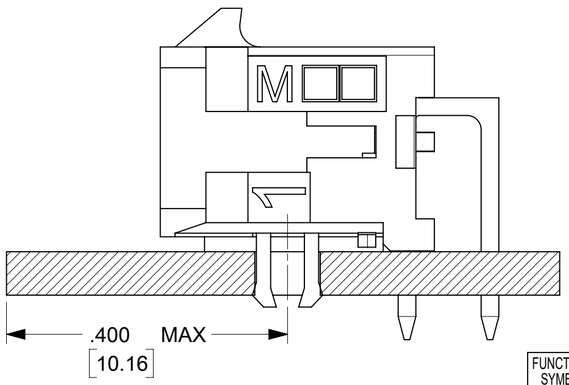


PCB LAYOUT: COMPONENT SIDE
RECOMMEND PCB THICKNESS: .062/1.57

CKTS	A	B	C
02	.262 / 6.65	— / NA	.169 / 4.30
04	.380 / 9.65	.118 / 3.00	.287 / 7.30
06	.498 / 12.65	.236 / 6.00	.405 / 10.30
08	.616 / 15.65	.354 / 9.00	.524 / 13.30
10	.734 / 18.65	.472 / 12.00	.642 / 16.30
12	.852 / 21.65	.591 / 15.00	.760 / 19.30
14	.970 / 24.65	.709 / 18.00	.878 / 22.30
16	1.088 / 27.65	.827 / 21.00	.996 / 25.30
18	1.206 / 30.65	.945 / 24.00	1.114 / 28.30
20	1.325 / 33.65	1.063 / 27.00	1.252 / 31.30
22	1.443 / 36.65	1.181 / 30.00	1.350 / 34.30
24	1.561 / 39.65	1.299 / 33.00	1.469 / 37.30

NOTES:

1. HOUSING MATERIAL: GLASS FILLED LIQUID CRYSTAL POLYMER UL94V-0, COLOR: BLACK
   TERMINAL MATERIAL: BRASS ALLOY
2. FINISH: A = .000060/(0.00152) MIN. REFLOWED MATTE TIN OVER
   .000050/(0.00127) MIN. NICKEL PLATE
   (FINISH IS BRIGHT IN APPEARANCE, THICKNESS
   AS APPLIED PRIOR TO REFLOW).
   B = .000015/(0.00038) MIN SELECT GOLD IN CONTACT AREA,
   .000100/(0.00254) MIN. SELECT MATTE TIN ON SOLDER TAILS,
   BOTH OVER .000050/(0.00127) MIN. NICKEL PLATE
   C = .000030/(0.00076) MIN SELECT GOLD IN CONTACT AREA,
   .000100/(0.00254) MIN. SELECT MATTE TIN ON SOLDER TAILS,
   BOTH OVER .000050/(0.00127) MIN. NICKEL PLATE
   D = .000100/(0.00254) MIN. MATTE TIN OVER
   .000050/(0.00127) MIN. NICKEL PLATE.
3. PRODUCT SPECIFICATION: PS-43045
4. TRAY PACKAGED: SEE MOLEX DRAWING PK-70873-0313
5. MATES WITH MICRO-FIT (3.0) RECEPTACLE SERIES 43025
6. CIRCUIT SIZES 2-6: 'D' IS .265/6.74 FOR .010/(0.25) STEP
   CIRCUIT SIZES 8-24: 'D' IS .063/(1.60) FOR .010/(0.25) STEP
7. TO AVOID INTERFERENCE BETWEEN RECEPTACLE AND PCB, HEADER MUST BE PLACED WITHIN .400/(10.16) MAX. FROM EDGE OF PCB, AS SHOWN IN LOCATION DETAIL.
8. METAL TAB MAY BE FLUSH WITH PCB. NO EXPOSED TRACES OR VIAS ALLOWED NEAR THESE AREAS.
9. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.
10. FOR BEST RETENTION TO PCB, HOLES SHOULD BE PTH AND CLIPS SHOULD BE SOLDERED
11. TEXT ON PART IS FOR REFERENCE ONLY. TEXT AND TEXT LOCATION MAY VARY DEPENDING ON PART NUMBER AND/OR TOOL



LOCATION DETAIL
SEE NOTE #7

CKTS	FINISH A MATERIAL NO:	FINISH B MATERIAL NO:	FINISH C MATERIAL NO:	FINISH D MATERIAL NO:
02	43045-0221	43045-0222	43045-0223	
04	43045-0421	43045-0422	43045-0423	
06	43045-0621	43045-0622	43045-0623	43045-0658
08	43045-0821	43045-0822	43045-0823	
10	43045-1021	43045-1022	43045-1023	
12	43045-1221	43045-1222	43045-1223	
14	43045-1421	43045-1422	43045-1423	
16	43045-1621	43045-1622	43045-1623	
18	43045-1821	43045-1822	43045-1823	43045-1858
20	43045-2021	43045-2022	43045-2023	
22	43045-2221	43045-2222	43045-2223	
24	43045-2421	43045-2422	43045-2423	

DOCUMENT STATUS	P1	RELEASE DATE	2023/01/26 18:55:52

FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FP = 0
DIVISIONAL SYMBOLS

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

DIMENSION UNITS: INCH/MM
SCALE: NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

	MM	INCH
4 PLACES	±	±
3 PLACES	±	± 0.01
2 PLACES	± 0.25	± 0.014
1 PLACE	± 0.36	±
0 PLACES	±	±
ANGULAR TOL	± 0.5 °	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: REDRAWN, ADD NOTES 10 & 11

EC NO: 736143
DRWN: SETHH6 2022/12/14
CHK'D: MKIPPER 2023/01/24
APPR: FSMITH 2023/01/26

INITIAL REVISION:
DRWN: SAMIEC 2000/03/15
APPR: FSMITH 2016/02/26

THIRD ANGLE PROJECTION | DRAWING: C-SIZE | SERIES: 43045

molex

MICROFIT 3.0 RIGHT ANGLE THRU HOLE, CLIP DUAL ROW HEADER

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-43045-008	PSD	000	H6

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE CHART	GENERAL MARKET	1 OF 1

FORMAT: Eng-tega-master-lib-prod-C
REVISION: E1
DATE: 2021/05/01