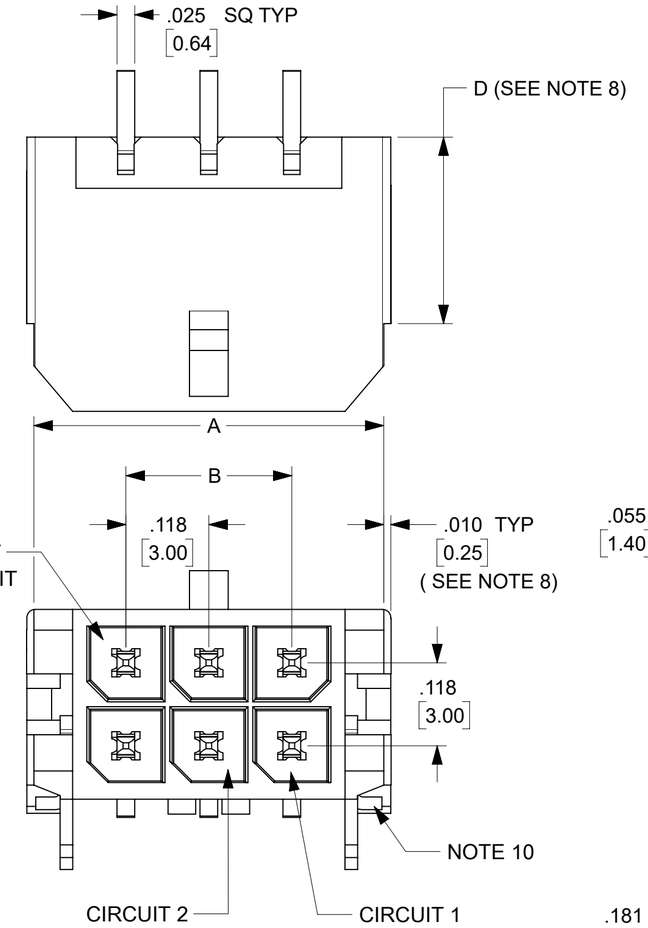
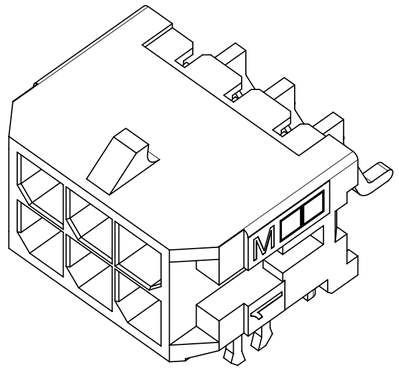
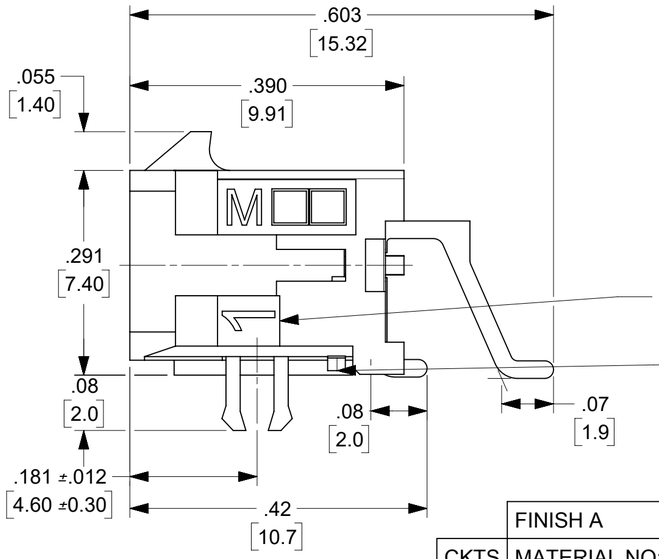
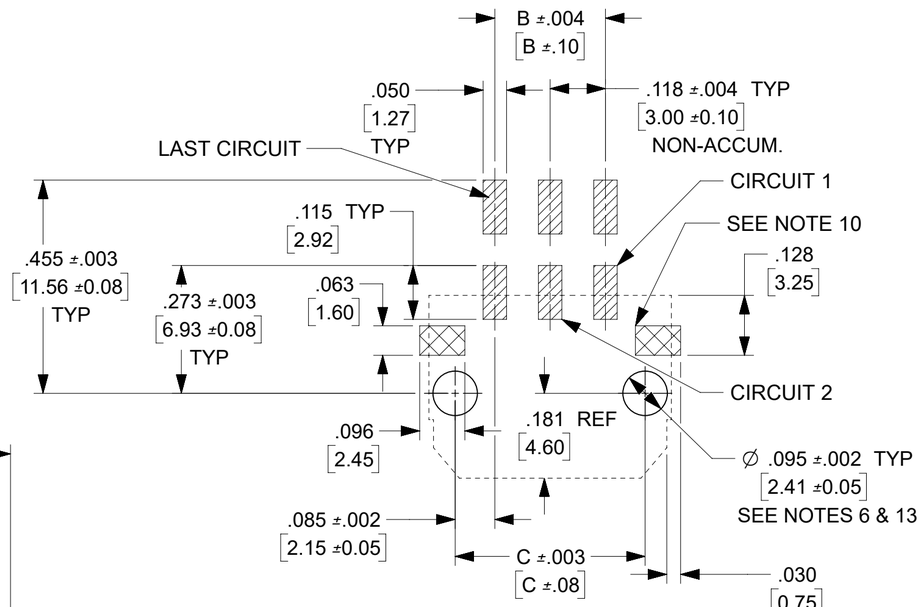


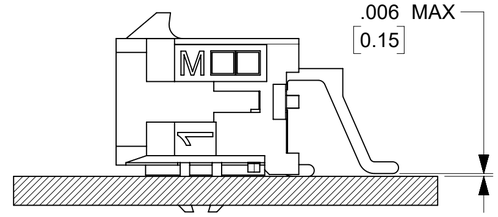




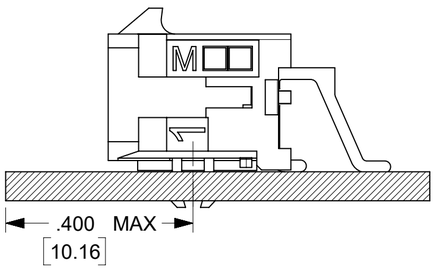


PCB LAYOUT: COMPONENT SIDE
RECOMMENDED PCB THICKNESS: .062/1.57

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	1.232 / 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



COPLANARITY DETAIL
SEE NOTE #7



LOCATION DETAIL
(SEE NOTE #9)

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. TAPE AND REEL PACK: SEE MOLEX DRAWING 430450001-PK
5. MATES WITH MICRO FIT (3.0) RECEPTACLE SERIES 43025
6. TO MINIMIZE INSERTION FORCE OF MOUNTING CLIPS DURING ROBOTIC PLACEMENT
   THE HOLE DIAMETER SHOULD BE INCREASED TO .108±.002 / 2.74±0.05 AND THEN
   EVALUATED PER PLACEMENT EQUIPMENT.
7. THE COPLANARITY DIMENSION IS ESTABLISHED BY PLACING THE ASSEMBLY
   ON A FLAT SURFACE. THE DISTANCE FROM THAT SURFACE TO THE BOTTOM
   OF ANY TERMINAL MUST NOT EXCEED .006/0.15
8. 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.
9. 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.
10. METAL TAB MAY BE FLUSH WITH PCB. NO EXPOSED TRACES OR VIAS ALLOWED NEAR THESE AREAS.
11. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.
12. TEXT ON PART IS FOR REFERENCE ONLY. TEXT AND TEXT LOCATION MAY VARY
    DEPENDING ON PART NUMBER AND/OR TOOL.
13. FOR BEST RETENTION TO PCB, HOLES FOR CLIPS SHOULD BE PTH AND CLIPS SHOULD BE SOLDERED.

CKTS	FINISH A MATERIAL NO:	VOID CKT	FINISH B MATERIAL NO:	FINISH C MATERIAL NO:	FINISH D MATERIAL NO:
02	43045-0206		43045-0207	43045-0208	43045-0303
04	43045-0406		43045-0407	43045-0408	43045-0503
06	43045-0606		43045-0607	43045-0608	43045-0703
08	43045-0806		43045-0807	43045-0808	43045-0903
10	43045-1006		43045-1007	43045-1008	43045-1103
12	43045-1206		43045-1207	43045-1208	43045-1303
14	43045-1406		43045-1407	43045-1408	43045-1503
16	43045-1606		43045-1607	43045-1608	43045-1703
18	43045-1806		43045-1807	43045-1808	43045-1903
20	43045-2006		43045-2007	43045-2008	43045-2103
22	43045-2206		43045-2207	43045-2208	43045-2303
24	43045-2406		43045-2407	43045-2408	43045-2503
12	43045-9206	3, 4 9, 10			
16	43045-9606	4, 5 12, 13			

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

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

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:

EC NO: 786806
DRWN: SETHH6 2023/02/09
CHK'D: XQZHANG 2025/01/13
APPR: XQZHANG 2025/01/13

INITIAL REVISION:
DRWN: CSLAFTER 2016/01/15
APPR: FSMITH 2016/02/26

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

molex

MICRO FIT (3.0) RIGHT ANGLE SMT, CLIPS
DUAL ROW HEADER

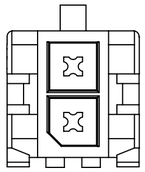
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-43045-003	PSD	000	G9

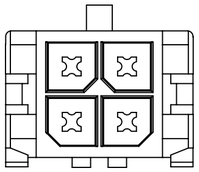
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE CHART	GENERAL MARKET	1 OF 2

DOCUMENT STATUS	P1	RELEASE DATE	2025/01/13 08:31:26

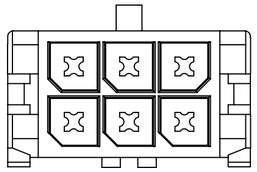
FORMAT: Eng-lega-master-lb-prod-C
REVISION: E
DATE: 2021/05/01



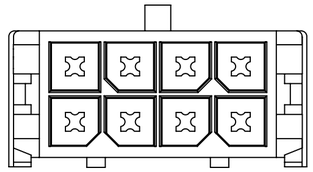
2 CKT



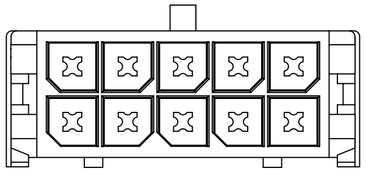
4 CKT



6 CKT



8 CKT



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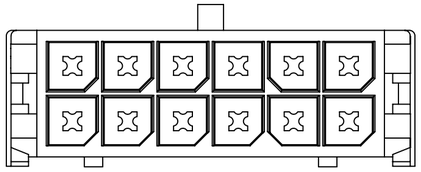
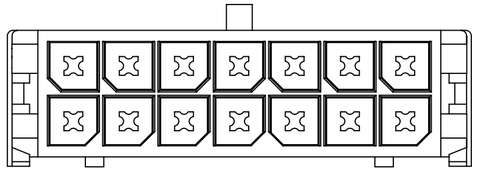
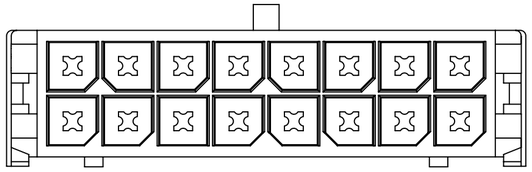


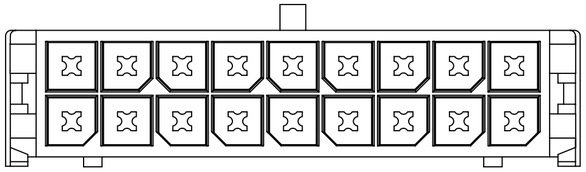
12 CKT



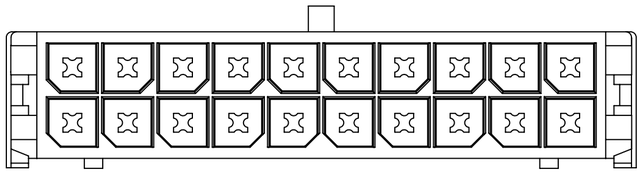
14 CKT



16 CKT



18 CKT



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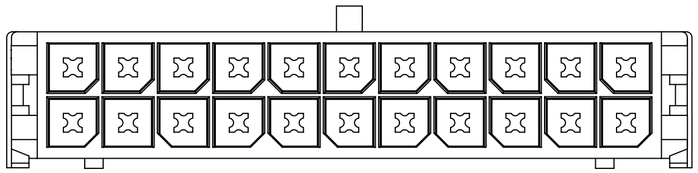
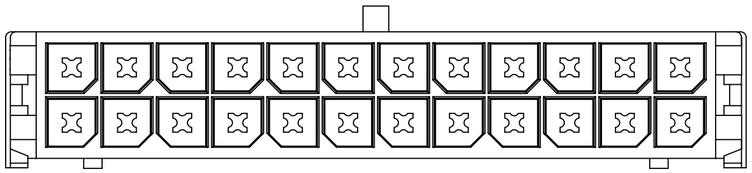


22 CKT



24 CKT

POLARIZATION VIEW

FUNCTIONAL 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: INCH/MM	SCALE: NTS	CURRENT REV DESC:	molex
FC = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)			MICRO FIT (3.0) RIGHT ANGLE SMT, CLIPS DUAL ROW HEADER
FP = 0	MM / INCH		EC NO: 786806	
DIVISIONAL SYMBOLS	4 PLACES ± / ±		DRWN: SETHH6 2023/02/09	
	3 PLACES ± / ± 0.01		CHK'D: XQZHANG 2025/01/13	PRODUCT CUSTOMER DRAWING
	2 PLACES ± 0.25 / ± 0.014		APPR: XQZHANG 2025/01/13	
	1 PLACE ± 0.36 / ±		INITIAL REVISION:	DOCUMENT NUMBER: SD-43045-003
	0 PLACES ± / ±		DRWN: CSLAFTER 2016/01/15	DOC TYPE: PSD; DOC PART: 000; REVISION: G9
	ANGULAR TOL ± 0.5 °		APPR: FSMITH 2016/02/26	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING: C-SIZE; SERIES: 43045	MATERIAL NUMBER: SEE CHART; CUSTOMER: GENERAL MARKET; SHEET NUMBER: 2 OF 2

DOCUMENT STATUS	P1	RELEASE DATE	2025/01/13 08:31:26

FORMAT: Eng-legs-master-tb-prod-C
REVISION: E1
DATE: 2021/05/01