

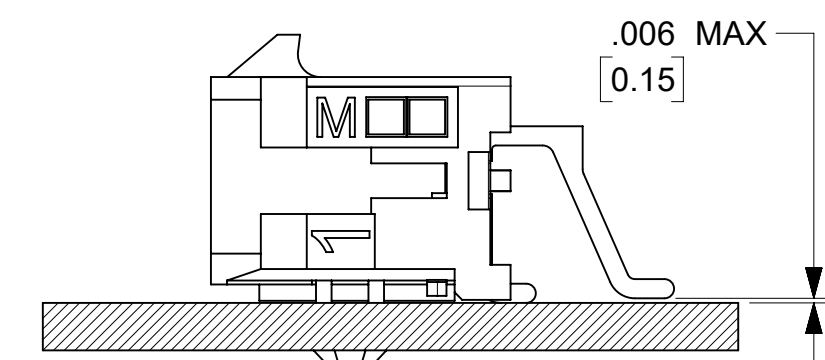
PCB LAYOUT: COMPONENT SIDE
RECOMMENDED PCB THICKNESS: .062/1.57

CIRCUIT "1" IDENTIFIED ON THIS SURFACE
(APPROX. LOCATION SHOWN FOR REF.)

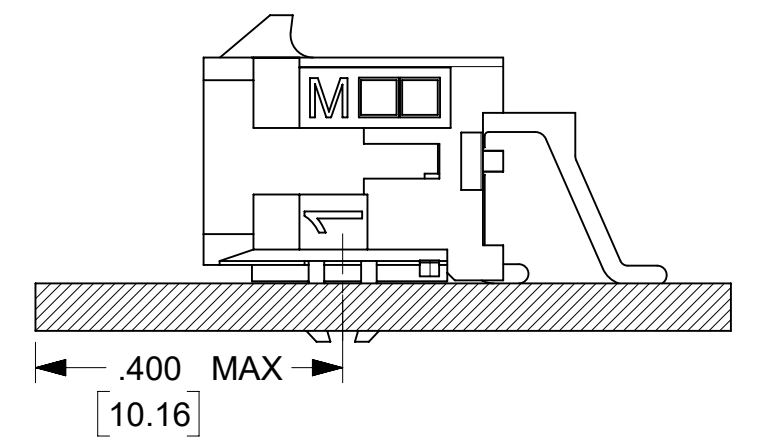
NOTE 10

- NOTES:
- HOUSING MATERIAL: GLASS FILLED LIQUID CRYSTAL POLYMER, UL94V-0, COLOR: BLACK
TERMINAL MATERIAL: BRASS ALLOY
 - 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.
 - PRODUCT SPECIFICATION: PS-43045
 - TAPE AND REEL PACK: SEE MOLEX DRAWING 430450001-PK
 - MATES WITH MICRO FIT (3.0) RECEPTACLE SERIES 43025
 - 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.
 - 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
 - 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.
 - 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.
 - METAL TAB MAY BE FLUSH WITH PCB. NO EXPOSED TRACES OR VIAS ALLOWED NEAR THESE AREAS.
 - THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATIONS PS-45499-002.
 - TEXT ON PART IS FOR REFERENCE ONLY. TEXT AND TEXT LOCATION MAY VARY DEPENDING ON PART NUMBER AND/OR TOOL.
 - FOR BEST RETENTION TO PCB, HOLES FOR CLIPS SHOULD BE PTH AND CLIPS SHOULD BE SOLDERED.

| CKTS | FINISH A | VOID CKT | FINISH B | FINISH B | FINISH D |
|------|--------------|----------------|--------------|--------------|--------------|
| | MATERIAL NO: | | MATERIAL NO: | MATERIAL NO: | 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 | | | |



COPLANARITY DETAIL
SEE NOTE #7



LOCATION DETAIL
(SEE NOTE #9)

FUNCTIONAL DIMENSION SYMBOLS: FA=0, FC=0, FP=0

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

SCALE: INCH/MM 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

THIRD ANGLE PROJECTION

DRAWING: C-SIZE

SERIES: 43045

CURRENT REV DESC: REDRAWN, ADD NOTE 13

EC NO: 736143
DRWN: SETHH6
CHK'D: MKIPPER
APPR: FSMITH

INITIAL REVISION:
DRWN: CSLAFTER
APPR: FSMITH

2022/12/14
2023/01/24
2023/01/26

2016/01/15
2016/02/26

molex

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

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER: SD-43045-003
DOC TYPE: PSD
DOC PART: 000
REVISION: G8

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

| 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 |