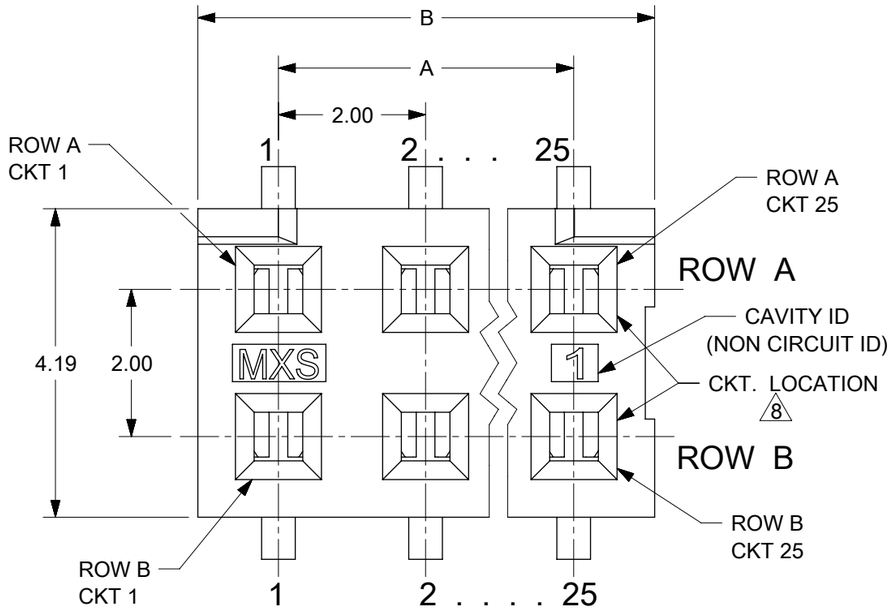
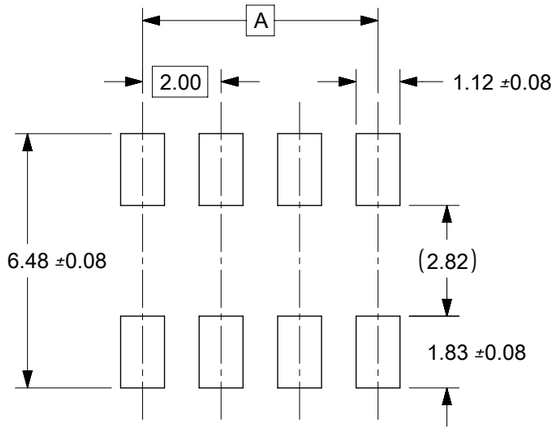
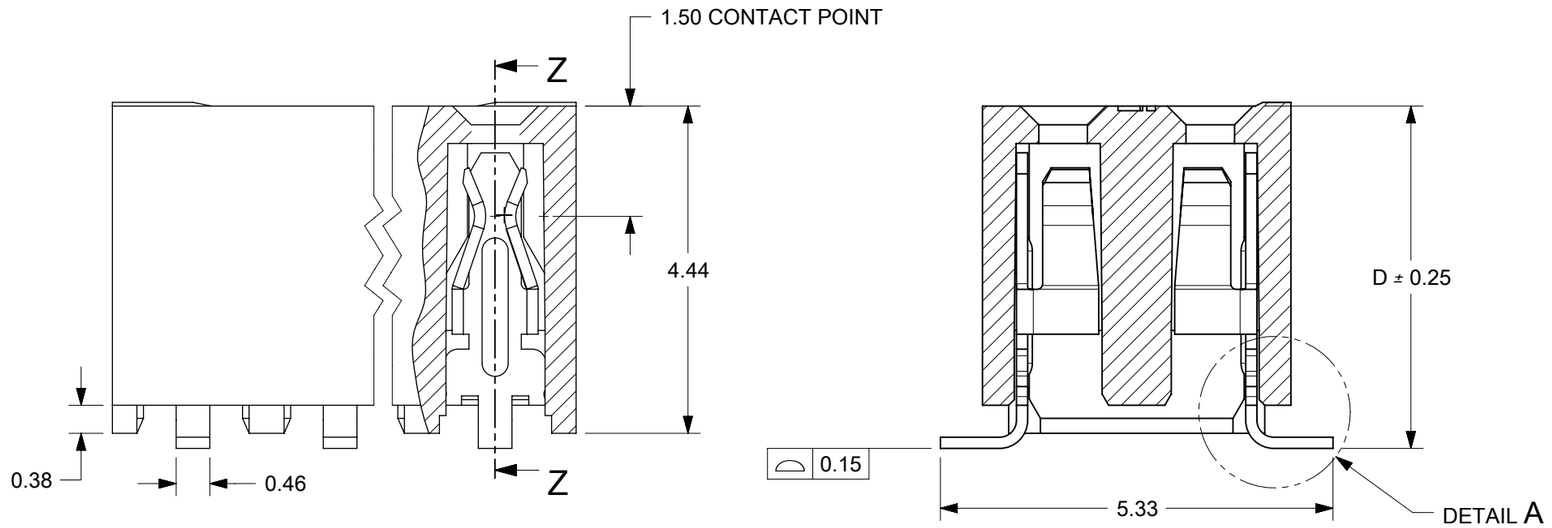



RECOMMENDED PCB PAD LAYOUT

## NOTES:

1. HOUSING MATERIAL:
   LCP, GLASS FILLED, UL 94V-0
   COLOUR BLACK.
2. TERMINAL MATERIAL:
   PHOSPHOR BRONZE
3. SEE APPROPRIATE SHEET FOR CIRCUIT SIZE,
   PART NUMBERS AND OVERALL DIMENSIONS.
4. FOR ILLUSTRATION, 6 CKT ASSY SHOWN.
5. REFER TO PRODUCT SPEC PS-79107.
6. TUBE PACKAGING PER PK-70873-0217 OR
   TAPE PACKAGING PER PK-70873-0259
7. SEE FROM SHT 4 FOR PEG OPTION ASSEMBLIES.
8. CKT LOCATIONS ARE NUMBERED FROM LEFT TO
   RIGHT WHEN VIEWING ASSY FROM TOP WITH
   THE GATE RECESS ON THE RIGHT AS SHOWN.
9. SEE SHT 3, 7 & 9 FOR VOIDED CIRCUIT PART NUMBERS.
10. MEASUREMENT IS TAKEN BETWEEN THE TANGENT OF
    THE TOE TO TIP OF THE TERMINAL.



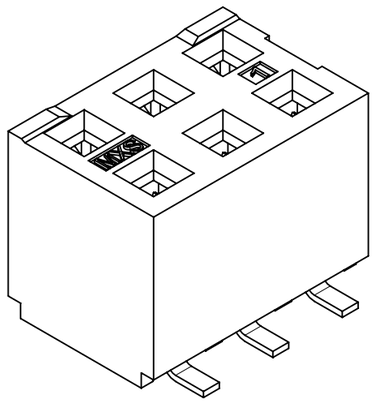

SECTION Z-Z

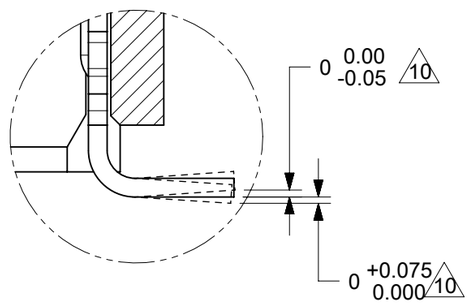
## PLATING OPTION:

(4). 30µin (0.75µm) MIN. GOLD PLATE IN SELECTED AREA AND
75µin (1.88µm) MIN. TIN IN SELECTED AREA OVER
50µin (1.25µm) MIN. NICKEL OVER-ALL.

(5). 15µin (0.38µm) MIN. GOLD PLATE IN SELECTED AREA AND
75µin (1.88µm) MIN. TIN IN SELECTED AREA OVER
50µin (1.25µm) MIN. NICKEL OVER-ALL.

(6). 5µin (0.13µm) MIN. GOLD PLATE IN SELECTED AREA AND
75µin (1.88µm) MIN. TIN IN SELECTED AREA OVER
50µin (1.25µm) MIN. NICKEL OVER-ALL.




DETAIL A

BENDING ANGLE OF TAIL

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

| DIMENSION UNITS | SCALE |
|---|---|
| mm | NTS |
| GENERAL TOLERANCES (UNLESS SPECIFIED) | |
| ANGULAR TOL ± ° | |
| 4 PLACES ± | |
| 3 PLACES ± | |
| 2 PLACES ± 0.25 | |
| 1 PLACE ± 0.38 | |
| 0 PLACES ± | |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | |

CURRENT REV DESC:

EC NO: 821276
DRWN: SUAIFR 2025/02/05
CHK'D: SUAIFR 2025/06/09
APPR: GANESY 2025/06/09

INITIAL REVISION:
DRWN: ATSEE 2014/07/24
APPR: LBLEE 2014/08/01

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 79109

molex

2MM DUAL ROW
VERTICAL RECEPTACLE, SMT

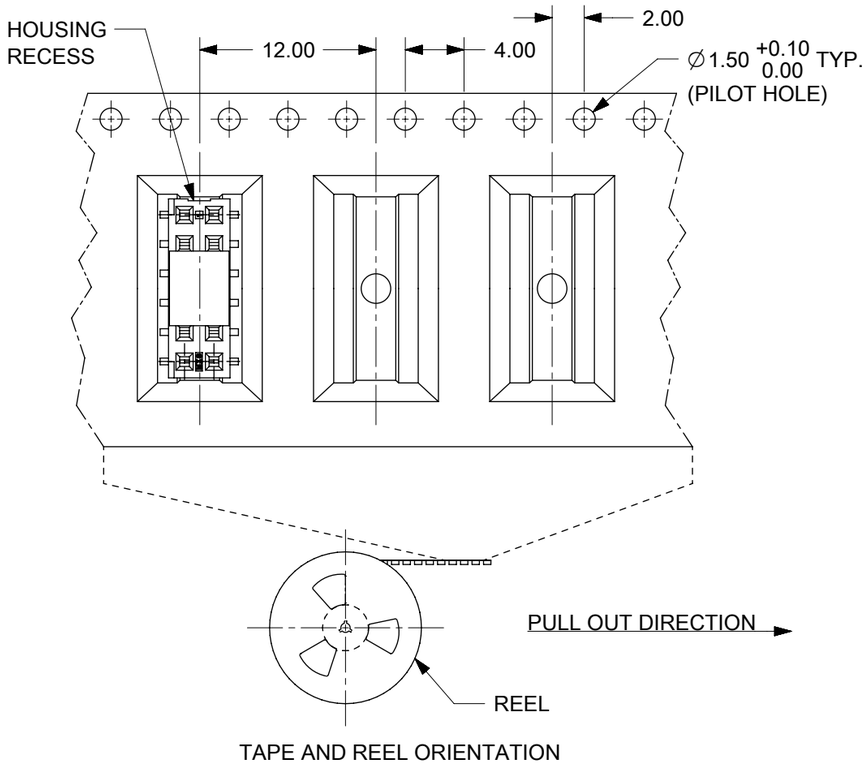
PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| SDA-79109-XXXX | PSD | 001 | N10 |

| MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|
| | GENERAL MARKET | 1 OF 10 |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2025/06/09 10:01:15 |
|---|---|---|---|

FORMAT: master-lb-prod-A3
REVISION: J
DATE: 2020/01/14




TAPE AND REEL ORIENTATION

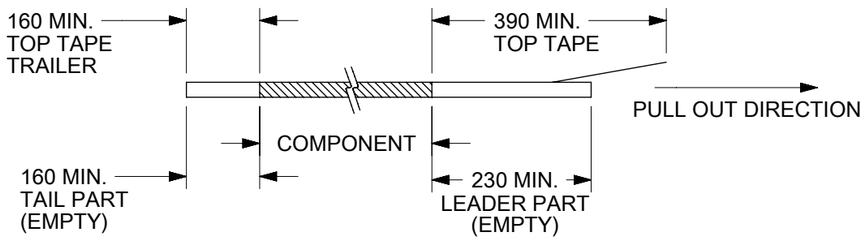
# WITHOUT PEG OPTION

| CKT. SIZE | DIM. "A" | DIM. "B" | DIM. "D" | PLATING OPTION 5 | | PLATING OPTION 4 | | PLATING OPTION 6 | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ITEM NO. TUBE PACKED (WITHOUT CAP) | ITEM NO. TAPE PACKED (WITH CAP) | ITEM NO. TUBE PACKED (WITHOUT CAP) | ITEM NO. TAPE PACKED (WITH CAP) | ITEM NO. TUBE PACKED (WITHOUT CAP) | ITEM NO. TAPE PACKED (WITH CAP) | ITEM NO. TAPE PACKED (WITHOUT CAP) |
| 04 | 2.00 | 4.19 | 4.65 | 79109-1001 | 79109-8401 | 79109-1051 | 79109-8451 | 79109-1101 | 79109-1149 | 79109-2801 |
| 06 | 4.00 | 6.19 | 4.65 | 79109-1002 | 79109-8402 | 79109-1052 | 79109-8452 | 79109-1102 | - | - |
| 08 | 6.00 | 8.19 | 4.65 | 79109-1003 | 79109-8403 | 79109-1053 | 79109-8453 | 79109-1103 | - | - |
| 10 | 8.00 | 10.19 | 4.65 | 79109-1004 | 79109-8404 | 79109-1054 | 79109-8454 | 79109-1104 | - | - |
| 12 | 10.00 | 12.19 | 4.65 | 79109-1005 | 79109-8405 | 79109-1055 | 79109-8455 | 79109-1105 | - | - |
| 14 | 12.00 | 14.19 | 4.65 | 79109-1006 | 79109-8406 | 79109-1056 | 79109-8456 | 79109-1106 | - | - |
| 16 | 14.00 | 16.19 | 4.65 | 79109-1007 | 79109-8407 | 79109-1057 | 79109-8457 | 79109-1107 | - | - |
| 18 | 16.00 | 18.19 | 4.65 | 79109-1008 | 79109-8408 | 79109-1058 | 79109-8458 | 79109-1108 | - | - |
| 20 | 18.00 | 20.19 | 4.65 | 79109-1009 | 79109-8409 | 79109-1059 | 79109-8459 | 79109-1109 | - | - |
| 22 | 20.00 | 22.19 | 4.65 | 79109-1010 | 79109-8410 | 79109-1060 | 79109-8460 | 79109-1110 | - | - |
| 24 | 22.00 | 24.19 | 4.65 | 79109-1011 | 79109-8411 | 79109-1061 | 79109-8461 | 79109-1111 | - | - |
| 26 | 24.00 | 26.19 | 4.65 | 79109-1012 | 79109-8412 | 79109-1062 | 79109-8462 | 79109-1112 | - | - |
| 28 | 26.00 | 28.19 | 4.65 | 79109-1013 | 79109-8413 | 79109-1063 | 79109-8463 | 79109-1113 | - | - |
| 30 | 28.00 | 30.19 | 4.65 | 79109-1014 | 79109-8414 | 79109-1064 | 79109-8464 | 79109-1114 | - | - |
| 32 | 30.00 | 32.19 | 4.65 | 79109-1015 | 79109-8415 | 79109-1065 | 79109-8465 | 79109-1115 | - | - |
| 34 | 32.00 | 34.19 | 4.65 | 79109-1016 | 79109-8416 | 79109-1066 | 79109-8466 | 79109-1116 | - | - |
| 36 | 34.00 | 36.19 | 4.65 | 79109-1017 | 79109-8417 | 79109-1067 | 79109-8467 | 79109-1117 | - | - |
| 38 | 36.00 | 38.19 | 4.65 | 79109-1018 | 79109-8418 | 79109-1068 | 79109-8468 | 79109-1118 | - | - |
| 40 | 38.00 | 40.19 | 4.65 | 79109-1019 | 79109-8419 | 79109-1069 | 79109-8469 | 79109-1119 | - | - |
| 42 | 40.00 | 42.19 | 4.65 | 79109-1020 | 79109-8420 | 79109-1070 | 79109-8470 | 79109-1120 | - | - |
| 44 | 42.00 | 44.19 | 4.65 | 79109-1021 | 79109-8421 | 79109-1071 | 79109-8471 | 79109-1121 | - | - |
| 46 | 44.00 | 46.19 | 4.65 | 79109-1022 | 79109-8422 | 79109-1072 | 79109-8472 | 79109-1122 | - | - |
| 48 | 46.00 | 48.19 | 4.65 | 79109-1023 | 79109-8423 | 79109-1073 | 79109-8473 | 79109-1123 | - | - |
| 50 | 48.00 | 50.19 | 4.65 | 79109-1024 | 79109-8424 | 79109-1074 | 79109-8474 | 79109-1124 | - | - |

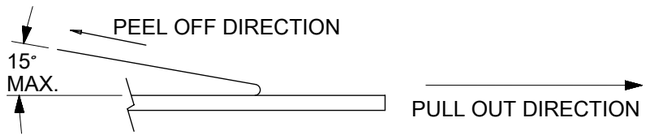
"X" INDICATES TOOLING NOT AVAILABLE.

NOTES:

1. LEADER AND TRAILER TAPE.




2. PEELING OFF FORCE OF THE TOP TAPE: 20-80gf.
   (PEELING DIRECTION AS SHOWN IN FOLLOWING FIGURE)




3. PACKAGING STANDARD IS AS PER EIA-481.
4. TAPE & REEL QUANTITY = 500 PCS/REEL

# SPECIAL PACKAGING (TAPE PACKED WITHOUT CAP)

| CKT. SIZE | DIM. "A" | DIM. "B" | DIM. "D" | ITEM NO. | PLATING OPTION SEE SHEET 1 |
|---|---|---|---|---|---|
| 06 | 4.00 | 6.19 | 4.65 | 79109-9004 | 5 |
| 20 | 18.00 | 20.19 | 4.65 | 79109-9005 | 5 |
| 50 | 48.00 | 50.19 | 4.65 | 79109-9006 | 5 |
| 34 | 32.00 | 34.19 | 4.65 | 79109-9007 | 5 |
| N10 10 | 8.00 | 10.19 | 4.65 | 79109-9008 | 5 |

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

| | |
|---|---|
| DIMENSION UNITS | mm |
| SCALE | NTS |
| GENERAL TOLERANCES (UNLESS SPECIFIED) | |
| ANGULAR TOL ± ° | |
| 4 PLACES ± | |
| 3 PLACES ± | |
| 2 PLACES ± 0.25 | |
| 1 PLACE ± 0.38 | |
| 0 PLACES ± | |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | |

CURRENT REV DESC:

EC NO: 821276
DRWN: SUAIFR 2025/02/05
CHK'D: SUAIFR 2025/06/09
APPR: GANESY 2025/06/09

INITIAL REVISION:
DRWN: ATSEE 2014/07/24
APPR: LBLEE 2014/08/01

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 79109

molex

2MM DUAL ROW
VERTICAL RECEPTACLE, SMT

PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| SDA-79109-XXXX | PSD | 001 | N10 |

| MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|
| | GENERAL MARKET | 2 OF 10 |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2025/06/09 10:01:15 |
|---|---|---|---|

FORMAT: master-tb-prod-A3
REVISION: J
DATE: 2020/01/14

# ASSEMBLIES WITHOUT PEGS

## VOIDED CIRCUIT OPTION

| CKT. SIZE | ASSEMBLY (WITHOUT CAP IN TUBE) | VOID LOCATION(S) SEE SHEET 1 FOR CONVENTION | | PLATING OPTION | DIM."A" | DIM."B" | DIM."D" |
|---|---|---|---|---|---|---|---|
| | PART NUMBER. | ROW | CKT. NO.(S) | | | | |
| 22 | 79109-5011 | A | 2 | 4 | 20.00 | 22.19 | 4.65 |
| 6 | 79109-5012 | A | 2 | 5 | 4.00 | 6.19 | 4.65 |

| CKT. SIZE | ASSEMBLY (WITH CAP IN T&R) | VOID LOCATION(S) SEE SHEET 1 FOR CONVENTION | | PLATING OPTION | DIM."A" | DIM."B" | DIM."D" |
|---|---|---|---|---|---|---|---|
| | PART NUMBER | ROW | CKT. NO.(S) | | | | |
| 50 | 79109-8924 | A | 13, 23 | 5 | 48.00 | 50.19 | 4.65 |
| | | B | 23 | | | | |

NOTES:

1. TERMINALS WILL BE PRESENT IN VOIDED LOCATIONS. HOWEVER, PIN WINDOWS WILL BE CLOSED.
2. VOIDS CAN ONLY BE PRESENT IN ONE ROW OF A CONNECTOR.

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

| DIMENSION UNITS | SCALE |
|---|---|
| mm | NTS |

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | |
|---|---|
| ANGULAR TOL | ± ° |
| 4 PLACES | ± |
| 3 PLACES | ± |
| 2 PLACES | ± 0.25 |
| 1 PLACE | ± 0.38 |
| 0 PLACES | ± |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 821276
DRWN: SUAIFR 2025/02/05
CHK'D: SUAIFR 2025/06/09
APPR: GANESY 2025/06/09

INITIAL REVISION:
DRWN: ATSEE 2014/07/24
APPR: LBLEE 2014/08/01

molex

2MM DUAL ROW
VERTICAL RECEPTACLE, SMT

PRODUCT CUSTOMER DRAWING

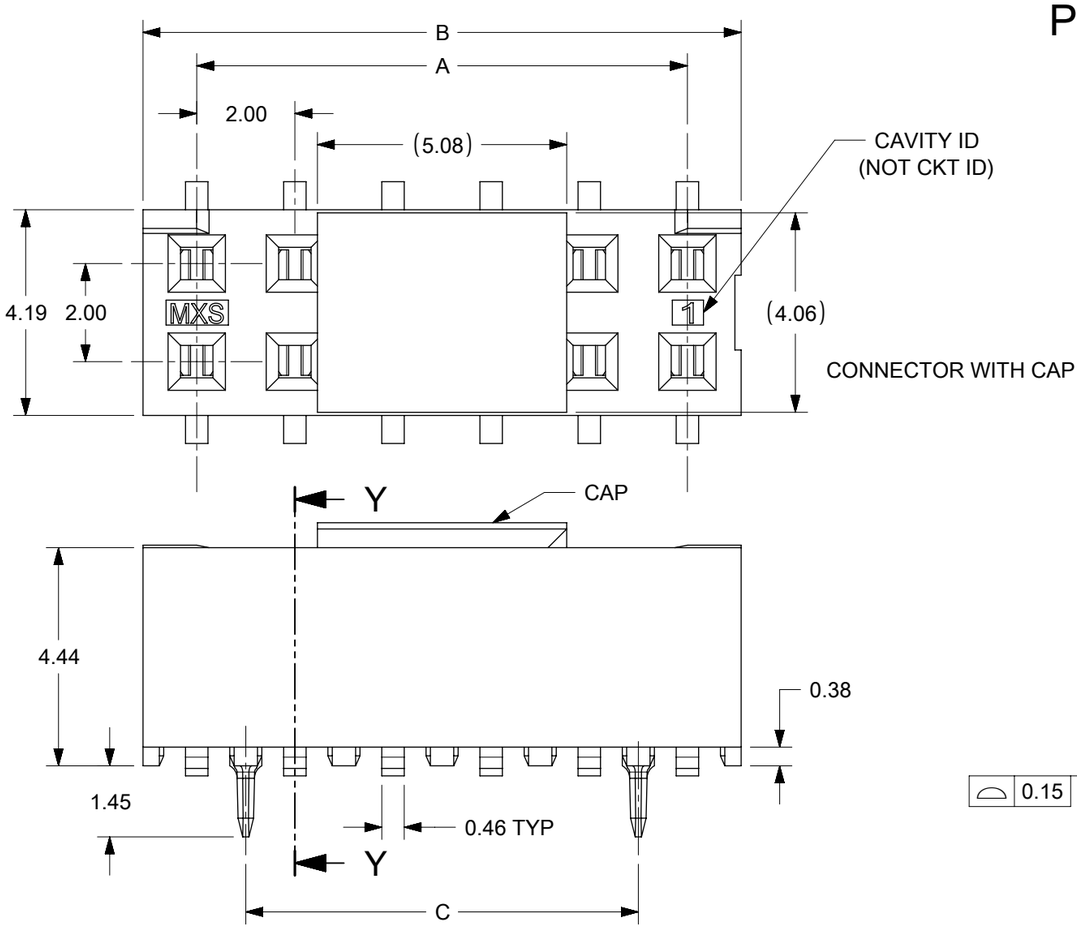
| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| SDA-79109-XXXX | PSD | 001 | N10 |

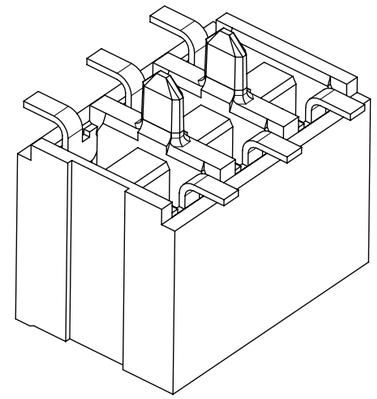
| THIRD ANGLE PROJECTION | DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|---|---|---|
| | A3-SIZE | 79109 | | GENERAL MARKET | 3 OF 10 |

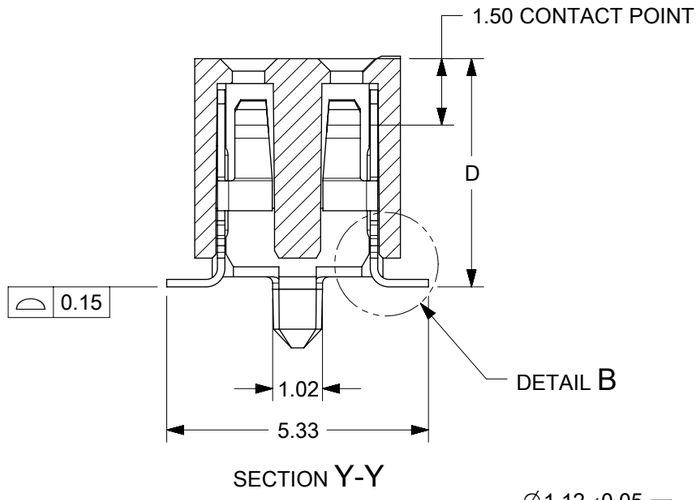
| DOCUMENT STATUS | P1 | RELEASE DATE | 2025/06/09 10:01:15 |
|---|---|---|---|

FORMAT: master-lb-prod-A3
REVISION: J
DATE: 2020/01/14

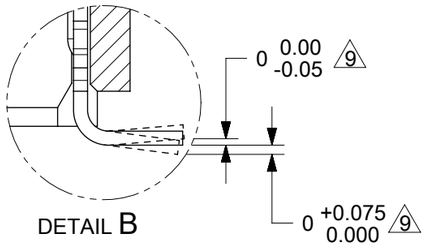
# PEG OPTION



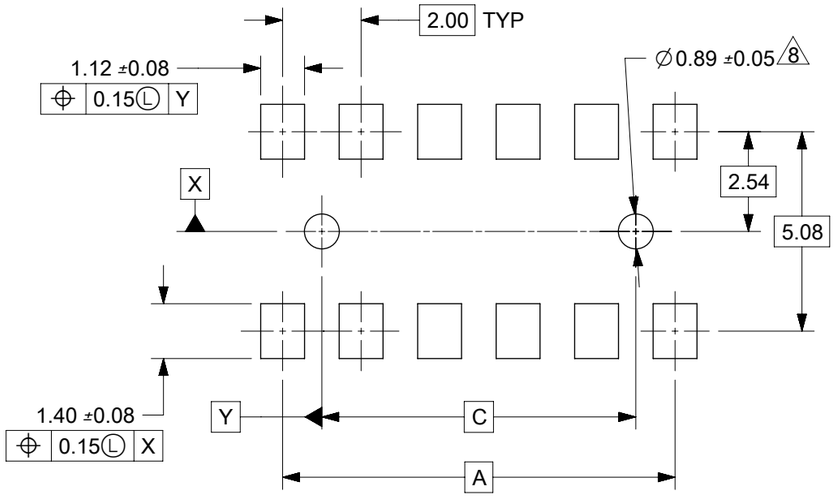





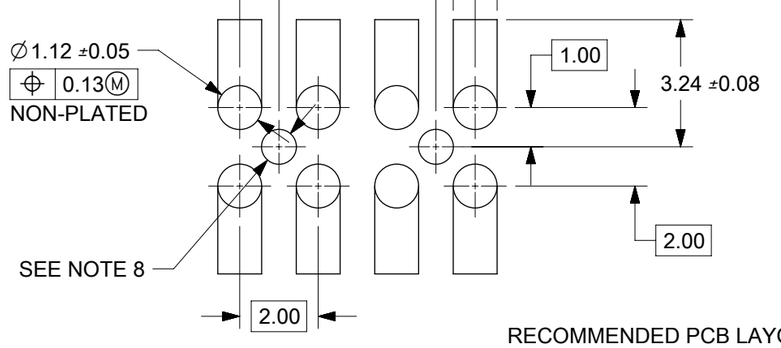

SECTION Y-Y




BENDING ANGLE OF TAIL




RECOMMENDED PCB LAYOUT




RECOMMENDED PCB LAYOUT
(BOTTOM ENTRY)

## PLATING OPTION:

(4). 30µin (0.75µm) MIN. GOLD PLATE IN SELECTED AREA AND
75µin (1.88µm) MIN. TIN IN SELECTED AREA OVER
50µin (1.25µm) MIN. NICKEL OVER-ALL.

(5). 15µin (0.38µm) MIN. GOLD PLATE IN SELECTED AREA AND
75µin (1.88µm) MIN. TIN IN SELECTED AREA OVER
50µin (1.25µm) MIN. NICKEL OVER-ALL.

(6). 5µin (0.13µm) MIN. GOLD PLATE IN SELECTED AREA AND
75µin (1.88µm) MIN. TIN IN SELECTED AREA OVER
50µin (1.25µm) MIN. NICKEL OVER-ALL.

## NOTES:

1. HOUSING MATERIAL: GLASS FILLED HIGH TEMP. THERMOPLASTIC. COLOR:BLACK.
2. TERMINAL MATERIAL: PHOSPHOR BRONZE.
3. SEE APPROPRIATE SHEET FOR CIRCUIT SIZE, PART NUMBERS AND OVER-ALL DIMENSIONS.
4. FOR ILLUSTRATION, 6 & 12 CIRCUIT ASSEMBLY SHOWN.
5. REFER TO PRODUCT SPECIFICATION PS-79107.
6. TUBE PACKAGING PER PK-70873-0217 OR TAPE PACKAGING PER 70873-0259.
7. SEE PSX-79107 FOR SUGGESTED BOTTOM ENTRY PIN LENGTHS.
8. 0.89±0.05 DIA FOR PRESS FIT ONLY.
   0.99±0.05 FOR PICK AND PLACE WITH MOUNTING FORCE
   1.20±0.076 FOR PICK AND PLACE WITH ZERO MOUNTING FORCE
9. MEASUREMENT IS TAKEN BETWEEN THE TANGENT OF THE TOE TO TIP OF THE TERMINAL.

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

| DIMENSION UNITS | SCALE |
|---|---|
| mm | NTS |

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | |
|---|---|
| ANGULAR TOL | ± ° |
| 4 PLACES | ± |
| 3 PLACES | ± |
| 2 PLACES | ± 0.25 |
| 1 PLACE | ± 0.38 |
| 0 PLACES | ± |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 821276
DRWN: SUAIFR 2025/02/05
CHK'D: SUAIFR 2025/06/09
APPR: GANESY 2025/06/09

INITIAL REVISION:
DRWN: ATSEE 2014/07/24
APPR: LBLEE 2014/08/01

molex

2MM DUAL ROW
VERTICAL RECEPTACLE, SMT

PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| SDA-79109-XXXX | PSD | 001 | N10 |

| THIRD ANGLE PROJECTION | DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|---|---|---|
| | A3-SIZE | 79109 | | GENERAL MARKET | 4 OF 10 |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2025/06/09 10:01:15 |
|---|---|---|---|

FORMAT: master-tb-prod-A3
REVISION: J
DATE: 2020/01/14

# PEG OPTION

| CKT. SIZE | DIM. "A" | DIM. "B" | DIM. "C" | DIM. "D" | PLATING OPTION 5 | | | PLATING OPTION 4 | | PLATING OPTION 6 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | ITEM NO. TUBE PACKED (WITHOUT CAP) | ITEM NO. TAPE PACKED (WITH CAP) | ITEM NO. TUBE PACKED (WITH CAP) | ITEM NO. TUBE PACKED (WITHOUT CAP) | ITEM NO. TAPE PACKED (WITH CAP) | ITEM NO. TUBE PACKED (WITHOUT CAP) | ITEM NO. TAPE PACKED (WITH CAP) |
| 04 | 2.00 | 4.19 | - | 4.65 | 79109-1201 | 79109-8601 | 79109-1225 | 79109-1251 | 79109-8651 | 79109-1301 | - |
| 06 | 4.00 | 6.19 | 2.00 | 4.65 | 79109-1202 | 79109-8602 | 79109-1226 | 79109-1252 | 79109-8652 | 79109-1302 | - |
| 08 | 6.00 | 8.19 | 4.00 | 4.65 | 79109-1203 | 79109-8603 | 79109-1227 | 79109-1253 | 79109-8653 | 79109-1303 | - |
| 10 | 8.00 | 10.19 | 6.00 | 4.65 | 79109-1204 | 79109-8604 | 79109-1228 | 79109-1254 | 79109-8654 | 79109-1304 | - |
| 12 | 10.00 | 12.19 | 8.00 | 4.65 | 79109-1205 | 79109-8605 | 79109-1229 | 79109-1255 | 79109-8655 | 79109-1305 | - |
| 14 | 12.00 | 14.19 | 10.00 | 4.65 | 79109-1206 | 79109-8606 | 79109-1230 | 79109-1256 | 79109-8656 | 79109-1306 | - |
| 16 | 14.00 | 16.19 | 12.00 | 4.65 | 79109-1207 | 79109-8607 | 79109-1231 | 79109-1257 | 79109-8657 | 79109-1307 | - |
| 18 | 16.00 | 18.19 | 14.00 | 4.65 | 79109-1208 | 79109-8608 | 79109-1232 | 79109-1258 | 79109-8658 | 79109-1308 | - |
| 20 | 18.00 | 20.19 | 16.00 | 4.65 | 79109-1209 | 79109-8609 | 79109-1233 | 79109-1259 | 79109-8659 | 79109-1309 | - |
| 22 | 20.00 | 22.19 | 18.00 | 4.65 | 79109-1210 | 79109-8610 | 79109-1234 | 79109-1260 | 79109-8660 | 79109-1310 | - |
| 24 | 22.00 | 24.19 | 20.00 | 4.65 | 79109-1211 | 79109-8611 | 79109-1235 | 79109-1261 | 79109-8661 | 79109-1311 | - |
| 26 | 24.00 | 26.19 | 22.00 | 4.65 | 79109-1212 | 79109-8612 | 79109-1236 | 79109-1262 | 79109-8662 | 79109-1312 | - |
| 28 | 26.00 | 28.19 | 24.00 | 4.65 | 79109-1213 | 79109-8613 | 79109-1237 | 79109-1263 | 79109-8663 | 79109-1313 | - |
| 30 | 28.00 | 30.19 | 26.00 | 4.65 | 79109-1214 | 79109-8614 | 79109-1238 | 79109-1264 | 79109-8664 | 79109-1314 | - |
| 32 | 30.00 | 32.19 | 28.00 | 4.65 | 79109-1215 | 79109-8615 | 79109-1239 | 79109-1265 | 79109-8665 | 79109-1315 | - |
| 34 | 32.00 | 34.19 | 30.00 | 4.65 | 79109-1216 | 79109-8616 | 79109-1240 | 79109-1266 | 79109-8666 | 79109-1316 | - |
| 36 | 34.00 | 36.19 | 32.00 | 4.65 | 79109-1217 | 79109-8617 | 79109-1241 | 79109-1267 | 79109-8667 | 79109-1317 | - |
| 38 | 36.00 | 38.19 | 34.00 | 4.65 | 79109-1218 | 79109-8618 | 79109-1242 | 79109-1268 | 79109-8668 | 79109-1318 | - |
| 40 | 38.00 | 40.19 | 36.00 | 4.65 | 79109-1219 | 79109-8619 | 79109-1243 | 79109-1269 | 79109-8669 | 79109-1319 | - |
| 42 | 40.00 | 42.19 | 38.00 | 4.65 | 79109-1220 | 79109-8620 | 79109-1244 | 79109-1270 | 79109-8670 | 79109-1320 | - |
| 44 | 42.00 | 44.19 | 40.00 | 4.65 | 79109-1221 | 79109-8621 | 79109-1245 | 79109-1271 | 79109-8671 | 79109-1321 | - |
| 46 | 44.00 | 46.19 | 42.00 | 4.65 | 79109-1222 | 79109-8622 | 79109-1246 | 79109-1272 | 79109-8672 | 79109-1322 | - |
| 48 | 46.00 | 48.19 | 44.00 | 4.65 | 79109-1223 | 79109-8623 | 79109-1247 | 79109-1273 | 79109-8673 | 79109-1323 | - |
| 50 | 48.00 | 50.19 | 46.00 | 4.65 | 79109-1224 | 79109-8624 | 79109-1248 | 79109-1274 | 79109-8674 | 79109-1324 | - |

'X' INDICATES TOOLING NOT AVAILABLE

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| DIMENSION UNITS | SCALE |
|---|---|
| mm | NTS |

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | | |
|---|---|---|
| ANGULAR TOL | ± | ° |
| 4 PLACES | ± | |
| 3 PLACES | ± | |
| 2 PLACES | ± | 0.25 |
| 1 PLACE | ± | 0.38 |
| 0 PLACES | ± | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 821276
DRWN: SUAIFR 2025/02/05
CHK'D: SUAIFR 2025/06/09
APPR: GANESY 2025/06/09

INITIAL REVISION:
DRWN: ATSEE 2014/07/24
APPR: LBLEE 2014/08/01

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 79109

molex

2MM DUAL ROW
VERTICAL RECEPTACLE, SMT

PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| SDA-79109-XXXX | PSD | 001 | N10 |

| MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|
| | GENERAL MARKET | 5 OF 10 |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2025/06/09 10:01:15 |
|---|---|---|---|

FORMAT: master-lb-prod-A3
REVISION: J
DATE: 2020/01/14

# PEG OPTION

# SPECIAL PACKAGING (TAPE PACKED WITHOUT CAP )

| | CKT. SIZE | DIM. "A" | DIM. "B" | DIM. "C" | DIM. "D" | ITEM NO. | PLATING OPTION SEE SHEET 1 |
|---|---|---|---|---|---|---|---|
| | 50 | 48.00 | 50.19 | 46.00 | 4.65 | 79109-9103 | 5 |
| N10 | 10 | 8.00 | 10.19 | 6.00 | 4.65 | 79109-9105 | 5 |

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| DIMENSION UNITS | SCALE |
|---|---|
| mm | NTS |

| GENERAL TOLERANCES (UNLESS SPECIFIED) | |
|---|---|
| ANGULAR TOL | ± ° |
| 4 PLACES | ± |
| 3 PLACES | ± |
| 2 PLACES | ± 0.25 |
| 1 PLACE | ± 0.38 |
| 0 PLACES | ± |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

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APPR: GANESY 2025/06/09

INITIAL REVISION:
DRWN: ATSEE 2014/07/24
APPR: LBLEE 2014/08/01

molex

2MM DUAL ROW
VERTICAL RECEPTACLE, SMT

PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| SDA-79109-XXXX | PSD | 001 | N10 |

| THIRD ANGLE PROJECTION | DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|---|---|---|
| | A3-SIZE | 79109 | | GENERAL MARKET | 6 OF 10 |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2025/06/09 10:01:15 |
|---|---|---|---|

FORMAT: master-lb-prod-A3
REVISION: J
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# ASSEMBLIES WITH PEGS

# VOIDED CIRCUIT OPTION

| CKT. SIZE | ASSEMBLY (WITHOUT CAP IN TUBE) | VOID LOCATION(S) SEE SHEET 1 FOR CONVENTION | | PLATING OPTION | DIM."A" | DIM."B" | DIM."C" | DIM."D" |
|---|---|---|---|---|---|---|---|---|
| | ITEM NO. | ROW | CKT. NO.(S) | | | | | |
| 48 | 79109-6011 | ROW A | 1, 24 | 5 | 46.00 | 48.19 | 44.00 | 4.65 |
| 44 | 79109-6012 | ROW B | 10 | 5 | 42.00 | 44.19 | 42.00 | 4.65 |

NOTES:
1. TERMINALS WILL BE PRESENT IN VOIDED LOCATIONS. HOWEVER, PIN WINDOWS WILL BE CLOSED.
2. VOIDS CAN ONLY BE PRESENT IN ONE ROW OF A CONNECTOR.

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| | |
|---|---|
| DIMENSION UNITS | mm |
| SCALE | NTS |
| GENERAL TOLERANCES (UNLESS SPECIFIED) | |
| ANGULAR TOL | ± ° |
| 4 PLACES | ± |
| 3 PLACES | ± |
| 2 PLACES | ± 0.25 |
| 1 PLACE | ± 0.38 |
| 0 PLACES | ± |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | |

CURRENT REV DESC:

EC NO: 821276
DRWN: SUAIFR 2025/02/05
CHK'D: SUAIFR 2025/06/09
APPR: GANESY 2025/06/09

INITIAL REVISION:
DRWN: ATSEE 2014/07/24
APPR: LBLEE 2014/08/01

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 79109

molex

2MM DUAL ROW
VERTICAL RECEPTACLE, SMT

PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| SDA-79109-XXXX | PSD | 001 | N10 |

| MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|
| | GENERAL MARKET | 7 OF 10 |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2025/06/09 10:01:15 |
|---|---|---|---|

FORMAT: master-lb-prod-A3
REVISION: J
DATE: 2020/01/14

# SPECIAL - CUSTOM TERMINAL FEET

## PEG OPTION

| CKT. SIZE | DIM. "A" | DIM. "B" | DIM. "C" | DIM. "D" | PLATING OPTION 5 | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | ITEM NO. TUBE PACKED (WITHOUT CAP) | | ITEM NO. TAPE PACKED (WITH CAP) | ITEM NO. TUBE PACKED (WITH CAP) |
| 04 | 2.00 | 4.19 | - | 4.70 | X | | X 79109-8751 | X |
| 06 | 4.00 | 6.19 | 2.00 | 4.70 | X | | X 79109-8752 | X |
| 08 | 6.00 | 8.19 | 4.00 | 4.70 | X | | X 79109-8753 | X |
| 10 | 8.00 | 10.19 | 6.00 | 4.70 | X | | X 79109-8754 | X |
| 12 | 10.00 | 12.19 | 8.00 | 4.70 | X | | X 79109-8755 | X |
| 14 | 12.00 | 14.19 | 10.00 | 4.70 | X | | X 79109-8756 | X |
| 16 | 14.00 | 16.19 | 12.00 | 4.70 | X | | X 79109-8757 | X |
| 18 | 16.00 | 18.19 | 14.00 | 4.70 | X | | X 79109-8758 | X |
| 20 | 18.00 | 20.19 | 16.00 | 4.70 | X | | X 79109-8759 | X |
| 22 | 20.00 | 22.19 | 18.00 | 4.70 | X | | X 79109-8760 | X |
| 24 | 22.00 | 24.19 | 20.00 | 4.70 | X | | X 79109-8761 | X |
| 26 | 24.00 | 26.19 | 22.00 | 4.70 | X | | X 79109-8762 | X |
| 28 | 26.00 | 28.19 | 24.00 | 4.70 | X | | X 79109-8763 | X |
| 30 | 28.00 | 30.19 | 26.00 | 4.70 | | 79109-7010 | 79109-8764 | X 79109-7065 |
| 32 | 30.00 | 32.19 | 28.00 | 4.70 | X | | X 79109-8765 | X |
| 34 | 32.00 | 34.19 | 30.00 | 4.70 | X | | X 79109-8766 | X |
| 36 | 34.00 | 36.19 | 32.00 | 4.70 | X | | X 79109-8767 | X |
| 38 | 36.00 | 38.19 | 34.00 | 4.70 | X | | X 79109-8768 | X |
| 40 | 38.00 | 40.19 | 36.00 | 4.70 | X | | X 79109-8769 | X |
| 42 | 40.00 | 42.19 | 38.00 | 4.70 | X | | X N.A. | X |
| 44 | 42.00 | 44.19 | 40.00 | 4.70 | | 79109-7016 | X N.A. | X |
| 46 | 44.00 | 46.19 | 42.00 | 4.70 | X | | X N.A. | X |
| 48 | 46.00 | 48.19 | 44.00 | 4.70 | X | | X N.A. | X |
| 50 | 48.00 | 50.19 | 46.00 | 4.70 | | 79109-7015 | X N.A. | X |

'X' INDICATES TOOLING NOT AVAILABLE

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| DIMENSION UNITS | SCALE |
|---|---|
| mm | NTS |

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | |
|---|---|
| ANGULAR TOL | ± ° |
| 4 PLACES | ± |
| 3 PLACES | ± |
| 2 PLACES | ± 0.25 |
| 1 PLACE | ± 0.38 |
| 0 PLACES | ± |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

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CHK'D: SUAIFR 2025/06/09
APPR: GANESY 2025/06/09

INITIAL REVISION:
DRWN: ATSEE 2014/07/24
APPR: LBLEE 2014/08/01

molex

2MM DUAL ROW
VERTICAL RECEPTACLE, SMT

PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| SDA-79109-XXXX | PSD | 001 | N10 |

| THIRD ANGLE PROJECTION | DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|---|---|---|
| | A3-SIZE | 79109 | | GENERAL MARKET | 8 OF 10 |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2025/06/09 10:01:15 |
|---|---|---|---|

FORMAT: master-tb-prod-A3
REVISION: J
DATE: 2020/01/14

# SPECIAL - CUSTOM TERMINAL FEET

# VOIDED CURCUIT OPTION

| CKT. SIZE | ASSEMBLY | | | | VOID LOCATION(S) SEE SHEET 1 FOR CONVENTION | | PLATING OPTION | DIM."A" | DIM."B" | DIM."C" | DIM."D" | PEG OPTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ITEM NO. TUBE PACKED (WITHOUT CAP) | | ITEM NO. TAPE PACKED (WITH CAP) | | ROW | CKT. NO.(S) | | | | | | |
| 48 | | 79109-7011 | X | 79109-8385 | ROW A | 1, 24 | 5 | 46.00 | 48.19 | 44.00 | 4.70 | YES |
| 42 | | 79109-7012 | X | 79109-8386 | ROW A | 1, 21 | 5 | 40.00 | 42.19 | 38.00 | 4.70 | YES |
| 20 | | 79109-7013 | X | 79109-8387 | ROW A | 1, 10 | 5 | 18.00 | 20.19 | 16.00 | 4.70 | YES |
| 50 | | 79109-7014 | X | 79109-8388 | ROW B | 13 | 5 | 48.00 | 50.19 | 46.00 | 4.70 | YES |
| 50 | | 79109-7017 | X | 79109-8988 | ROW B | 13 | 5 | 48.00 | 50.19 | 46.00 | 4.70 | NO |

'X' INDICATES TOOLING NOT AVAILABLE.

NOTES:
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| DIMENSION UNITS | SCALE |
|---|---|
| mm | NTS |

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | | |
|---|---|---|
| ANGULAR TOL | ± | ° |
| 4 PLACES | ± | |
| 3 PLACES | ± | |
| 2 PLACES | ± | 0.25 |
| 1 PLACE | ± | 0.38 |
| 0 PLACES | ± | |

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molex

2MM DUAL ROW
VERTICAL RECEPTACLE, SMT

PRODUCT CUSTOMER DRAWING

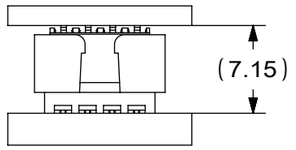
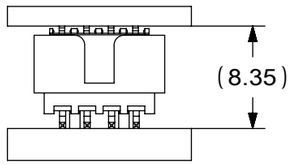
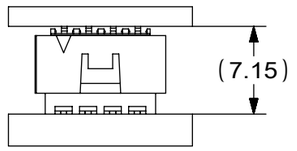
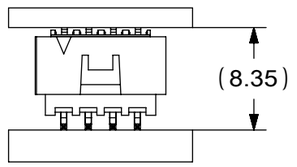
| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| SDA-79109-XXXX | PSD | 001 | N10 |

| THIRD ANGLE PROJECTION | DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|---|---|---|
| | A3-SIZE | 79109 | | GENERAL MARKET | 9 OF 10 |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2025/06/09 10:01:15 |
|---|---|---|---|

FORMAT: master-tb-prod-A3
REVISION: J
DATE: 2020/01/14

## BOARD TO BOARD (BTB) DISTANCE

| RECEPTACLE | MATES WITH(HEADER) | BTB DISTANCE | PICTORIAL VIEW |
|---|---|---|---|
| 79109 | 87831 | 7.15 |   |
| | 87832 | 8.35 |   |
| | 151117 | 7.15 |   |
| | 151118 | 8.35 |   |

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| DIMENSION UNITS | SCALE |
|---|---|
| mm | NTS |

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | | |
|---|---|---|
| ANGULAR TOL | ± | ° |
| 4 PLACES | ± | |
| 3 PLACES | ± | |
| 2 PLACES | ± | 0.25 |
| 1 PLACE | ± | 0.38 |
| 0 PLACES | ± | |

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molex

2MM DUAL ROW
VERTICAL RECEPTACLE, SMT

PRODUCT CUSTOMER DRAWING

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|---|---|---|---|
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| THIRD ANGLE PROJECTION | DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|---|---|---|
| | A3-SIZE | 79109 | | GENERAL MARKET | 10 OF 10 |

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