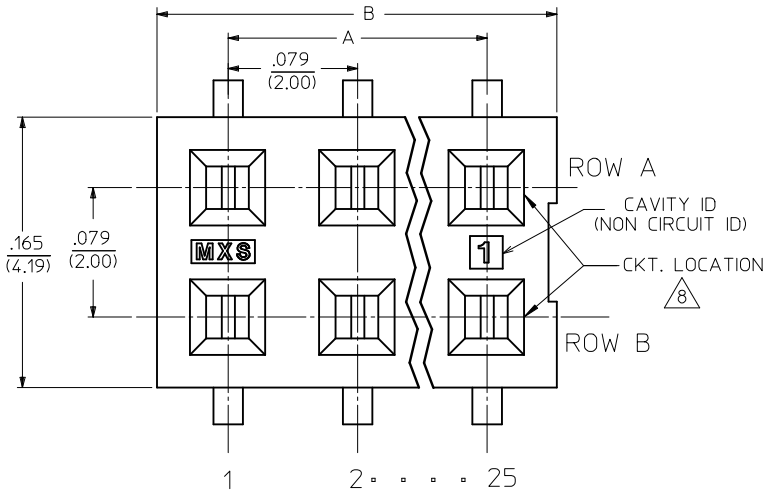
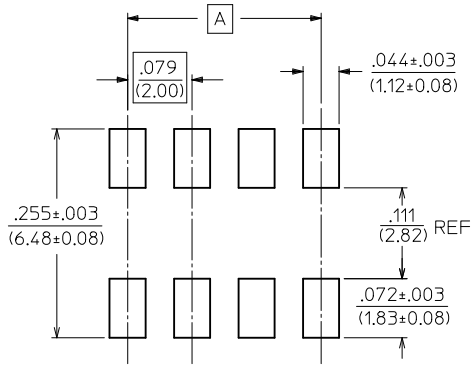
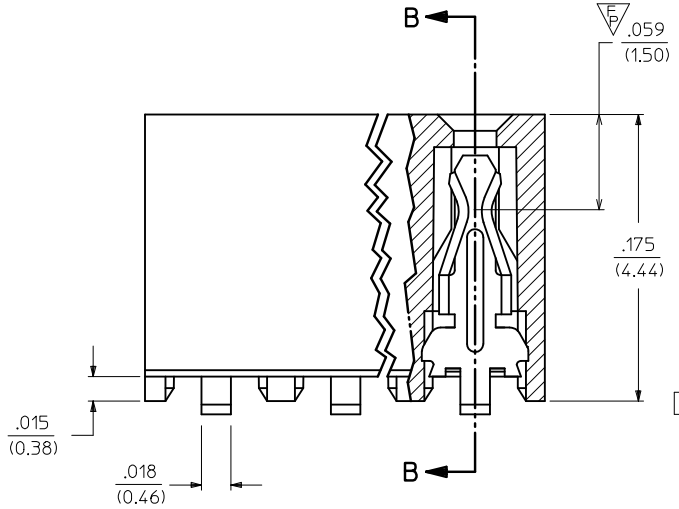
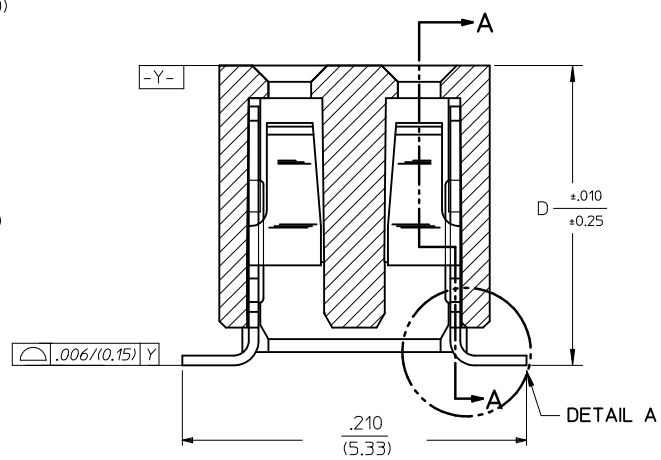



RECOMMENDED PCB PAD LAYOUT




SECTION A-A



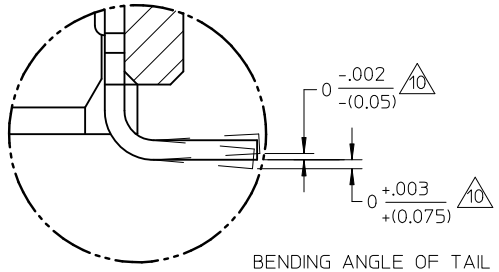

SECTION B-B

## 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.

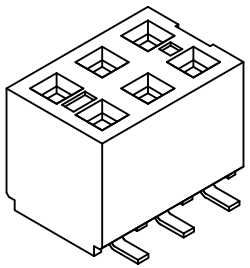
## PLATING OPTION:

4. 30u" (0.75um) MIN. GOLD PLATE IN SELECTED AREA AND 75u" (1.88um) MIN. TIN PLATE IN SELECTED AREA OVER 50u" (1.25um) MIN. NICKEL OVERALL.
5. 15u" (0.38um) MIN. GOLD PLATE IN SELECTED AREA AND 75u" (1.88um) MIN. TIN PLATE IN SELECTED AREA OVER 50u" (1.25um) MIN. NICKEL OVERALL.
6. 5u" (0.13um) MIN. GOLD PLATE IN SELECTED AREA AND 75u" (1.88um) MIN. TIN PLATE IN SELECTED AREA OVER 50u" (1.25um) MIN. NICKEL OVERALL.




DETAIL A

BENDING ANGLE OF TAIL



REMOVE OPTIONS
EC NO: S2011-0343 2010/11/29
DRWN:SKANG CH'KD:ATSEE APPR:MLONG 2010/12/03
DESCRIPTION
REV
M7

QUALITY SYMBOLS
F A =0
F C =0
F P =1

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± .010 |
| 2 PLACES | ± 0.25 | ± .015 |
| 1 PLACE | ± 0.38 | ± --- |
| ANGULAR ± 3 ° | | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM
SCALE: NTS
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

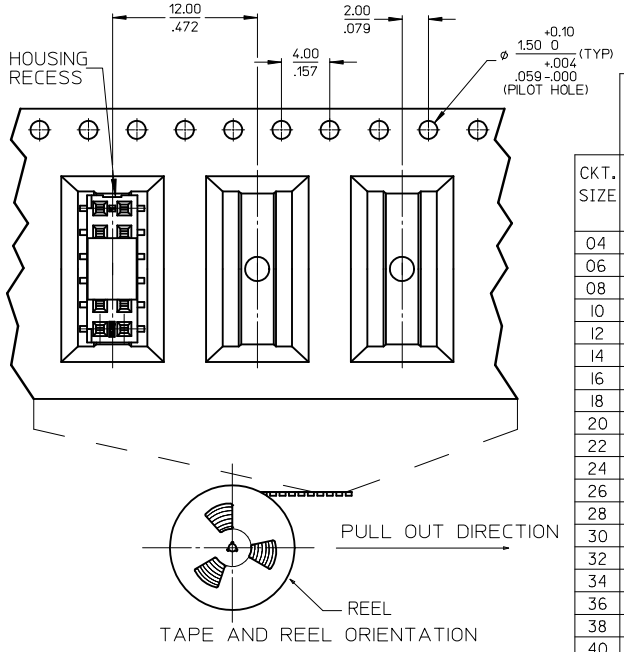
| | |
|---|---|
| DRAWN BY | AAB |
| DATE | 1989/05/15 |
| CHECKED BY | MJM |
| DATE | 1989/05/15 |
| APPROVED BY | MLONG |
| DATE | 2010/02/18 |
| MATERIAL NO. | SEE TABLE |

TITLE: 2MM DUAL ROW VERTICAL RECEPTACLE, SMT

MOLEX INCORPORATED

DOCUMENT NO. SDA-79109-****
SHEET NO. 1 OF 9
SIZE A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION



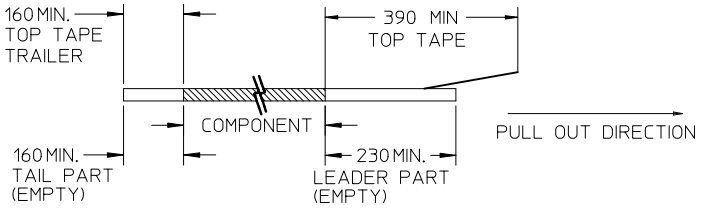

# WITHOUT PEG OPTION

| CKT. SIZE | DIM. "A" INCH | DIM. "A" MM | DIM. "B" INCH | DIM. "B" MM | DIM. "D" INCH | DIM. "D" MM | PLATING OPTION 5 ITEM NO. TUBE PACKED (WITHOUT CAP) | PLATING OPTION 5 ITEM NO. TAPE PACKED (WITH CAP) | PLATING OPTION 4 ITEM NO. TUBE PACKED (WITHOUT CAP) | PLATING OPTION 4 ITEM NO. TAPE PACKED (WITH CAP) | PLATING OPTION 6 ITEM NO. TUBE PACKED (WITHOUT CAP) | PLATING OPTION 6 ITEM NO. TAPE PACKED (WITH CAP) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04 | .079 | (2.00) | .165 | (4.19) | .183 | (4.65) | 79109-1001 | 79109-8401 | 79109-1051 | 79109-8451 | X 79109-1101 | - |
| 06 | .157 | (4.00) | .244 | (6.19) | .183 | (4.65) | 79109-1002 | 79109-8402 | 79109-1052 | 79109-8452 | X 79109-1102 | - |
| 08 | .236 | (6.00) | .322 | (8.19) | .183 | (4.65) | 79109-1003 | 79109-8403 | 79109-1053 | 79109-8453 | X 79109-1103 | - |
| 10 | .315 | (8.00) | .401 | (10.19) | .183 | (4.65) | 79109-1004 | 79109-8404 | 79109-1054 | 79109-8454 | X 79109-1104 | - |
| 12 | .394 | (10.00) | .480 | (12.19) | .183 | (4.65) | 79109-1005 | 79109-8405 | 79109-1055 | 79109-8455 | X 79109-1105 | - |
| 14 | .472 | (12.00) | .559 | (14.19) | .183 | (4.65) | 79109-1006 | 79109-8406 | 79109-1056 | 79109-8456 | X 79109-1106 | - |
| 16 | .551 | (14.00) | .637 | (16.19) | .183 | (4.65) | 79109-1007 | 79109-8407 | 79109-1057 | 79109-8457 | X 79109-1107 | - |
| 18 | .630 | (16.00) | .716 | (18.19) | .183 | (4.65) | 79109-1008 | 79109-8408 | 79109-1058 | 79109-8458 | X 79109-1108 | - |
| 20 | .709 | (18.00) | .795 | (20.19) | .183 | (4.65) | 79109-1009 | 79109-8409 | 79109-1059 | 79109-8459 | X 79109-1109 | - |
| 22 | .787 | (20.00) | .874 | (22.19) | .183 | (4.65) | 79109-1010 | 79109-8410 | 79109-1060 | 79109-8460 | X 79109-1110 | - |
| 24 | .866 | (22.00) | .952 | (24.19) | .183 | (4.65) | 79109-1011 | 79109-8411 | 79109-1061 | 79109-8461 | X 79109-1111 | - |
| 26 | .945 | (24.00) | 1.031 | (26.19) | .183 | (4.65) | 79109-1012 | 79109-8412 | 79109-1062 | 79109-8462 | X 79109-1112 | - |
| 28 | 1.024 | (26.00) | 1.110 | (28.19) | .183 | (4.65) | 79109-1013 | 79109-8413 | 79109-1063 | 79109-8463 | X 79109-1113 | - |
| 30 | 1.102 | (28.00) | 1.188 | (30.19) | .183 | (4.65) | 79109-1014 | 79109-8414 | 79109-1064 | 79109-8464 | X 79109-1114 | - |
| 32 | 1.181 | (30.00) | 1.267 | (32.19) | .183 | (4.65) | 79109-1015 | 79109-8415 | 79109-1065 | 79109-8465 | X 79109-1115 | - |
| 34 | 1.260 | (32.00) | 1.346 | (34.19) | .183 | (4.65) | 79109-1016 | 79109-8416 | 79109-1066 | 79109-8466 | X 79109-1116 | - |
| 36 | 1.338 | (34.00) | 1.425 | (36.19) | .183 | (4.65) | 79109-1017 | 79109-8417 | 79109-1067 | 79109-8467 | X 79109-1117 | - |
| 38 | 1.417 | (36.00) | 1.504 | (38.19) | .183 | (4.65) | 79109-1018 | 79109-8418 | 79109-1068 | 79109-8468 | X 79109-1118 | - |
| 40 | 1.496 | (38.00) | 1.582 | (40.19) | .183 | (4.65) | 79109-1019 | 79109-8419 | 79109-1069 | 79109-8469 | X 79109-1119 | - |
| 42 | 1.575 | (40.00) | 1.661 | (42.19) | .183 | (4.65) | 79109-1020 | 79109-8420 | 79109-1070 | 79109-8470 | X 79109-1120 | - |
| 44 | 1.654 | (42.00) | 1.740 | (44.19) | .183 | (4.65) | 79109-1021 | 79109-8421 | 79109-1071 | 79109-8471 | X 79109-1121 | - |
| 46 | 1.732 | (44.00) | 1.818 | (46.19) | .183 | (4.65) | 79109-1022 | 79109-8422 | 79109-1072 | 79109-8472 | X 79109-1122 | - |
| 48 | 1.811 | (46.00) | 1.897 | (48.19) | .183 | (4.65) | 79109-1023 | 79109-8423 | 79109-1073 | 79109-8473 | X 79109-1123 | - |
| 50 | 1.890 | (48.00) | 1.976 | (50.19) | .183 | (4.65) | 79109-1024 | 79109-8424 | 79109-1074 | 79109-8474 | X 79109-1124 | - |

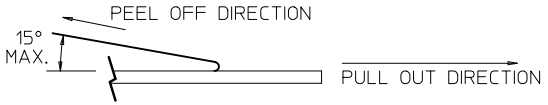
"X" INDICATES TOOLING NOT AVAILABLE

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" INCH | DIM. "A" MM | DIM. "B" INCH | DIM. "B" MM | DIM. "D" INCH | DIM. "D" MM | ITEM NO. | PLATING OPTION SEE SHEET 1 |
|---|---|---|---|---|---|---|---|---|
| 06 | .157 | (4.00) | .244 | (6.19) | .183 | (4.65) | 79109-9004 | 5 |
| 20 | .709 | (18.00) | .795 | (20.19) | .183 | (4.65) | 79109-9005 | 5 |
| 50 | 1.890 | (48.00) | 1.976 | (50.19) | .183 | (4.65) | 79109-9006 | 5 |
| 34 | 1.260 | (32.00) | 1.346 | (34.19) | .183 | (4.65) | 79109-9007 | 5 |

REMOVE OPTIONS
EC NO: S2011-0343 2010/11/29
DRWN:SKANG CH'KD:ATSEE APPR:MLONG 2010/12/03
DESCRIPTION
REV
M7

QUALITY SYMBOLS
FA=0
FC=0
FP=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± .010 |
| 2 PLACES | ± 0.25 | ± .015 |
| 1 PLACE | ± 0.38 | ± --- |
| ANGULAR ± 3 ° | | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM
SCALE: NTS
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

| | |
|---|---|
| DRAWN BY | AAB |
| DATE | 1989/05/15 |
| CHECKED BY | MJM |
| DATE | 1989/05/15 |
| APPROVED BY | MLONG |
| DATE | 2010/02/18 |
| MATERIAL NO. | SEE TABLE |
| TITLE | 2MM DUAL ROW VERTICAL RECEPTACLE, SMT |
| | MOLEX INCORPORATED |
| DOCUMENT NO. | SDA-79109-**** |
| SHEET NO. | 2 OF 9 |
| SIZE | A3 |

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

# ASSEMBLIES WITHOUT PEGS

## VOIDED CIRCUIT OPTION

| CKT. SIZE | ASSEMBLY (WITHOUT CAP IN TUBE) PART NUMBER | VOID LOCATION(S) SEE SHEET 1 FOR CONVENTION ROW | CKT. NO.(S) | PLATING OPTION | DIM. "A" INCH | DIM. "A" MM | DIM. "B" INCH | DIM. "B" MM | DIM. "D" INCH | DIM. "D" MM |
|---|---|---|---|---|---|---|---|---|---|---|
| 22 | 79109-5011 | A | 2 | 4 | .787 | (20.00) | .874 | (22.19) | .183 | ( 4.65) |
| 6 | 79109-5012 | A | 2 | 5 | .157 | (4.00) | .244 | (6.19) | .183 | ( 4.65) |

| CKT SIZE | ASSEMBLY (WITH CAP IN T&R) PART NUMBER | VOID LOCATION(S) SEE SHEET 1 FOR CONVENTION ROW | CKT NO. | PLATING OPTION | DIM A INCH | DIM A MM | DIM B INCH | DIM B MM | DIM D INCH | DIM D MM |
|---|---|---|---|---|---|---|---|---|---|---|
| 50 | 79109-8924 | A | 13, 23 | 5 | 1.890 | (48.00) | 1.976 | (50.19) | .183 | (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.

REMOVE OPTIONS
EC NO: S2011-0343 2010/11/29
DRWN:SKANG CH'KD:ATSEE APPR:MLONG 2010/12/03
DESCRIPTION
REV
M7

QUALITY SYMBOLS
FA=0
FC=0
FP=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± .010 |
| 2 PLACES | ± 0.25 | ± .015 |
| 1 PLACE | ± 0.38 | ± --- |
| ANGULAR ± 3 ° | | |

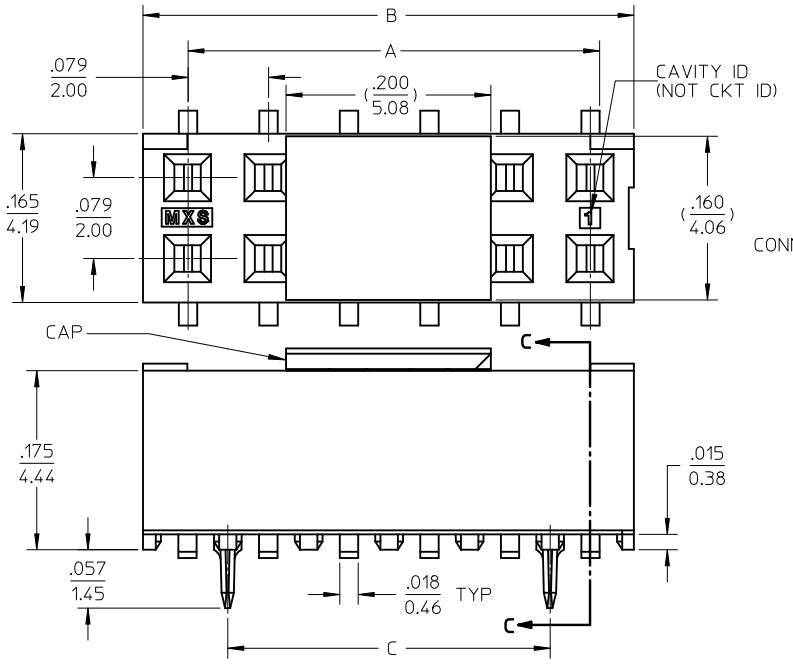
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM
SCALE: NTS
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

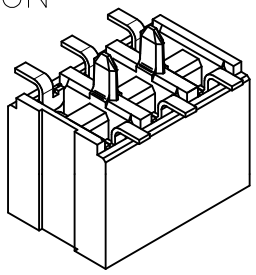
DRAWN BY: AAB DATE: 1989/05/15
CHECKED BY: MJM DATE: 1989/05/15
APPROVED BY: MLONG DATE: 2010/02/18
MATERIAL NO.: SEE TABLE

TITLE: 2MM DUAL ROW VERTICAL RECEPTACLE, SMT
MOLEX INCORPORATED
DOCUMENT NO.: SDA-79109-****
SHEET NO.: 4 OF 9
SIZE: A3

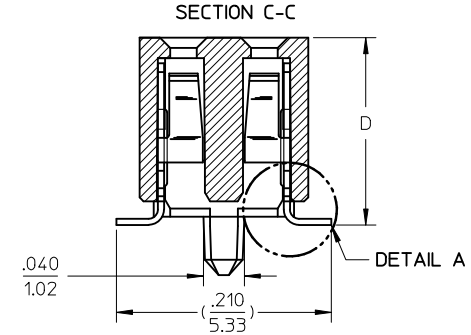
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION




# PEG OPTION



CONNECTOR WITH CAP




## PLATING OPTION:

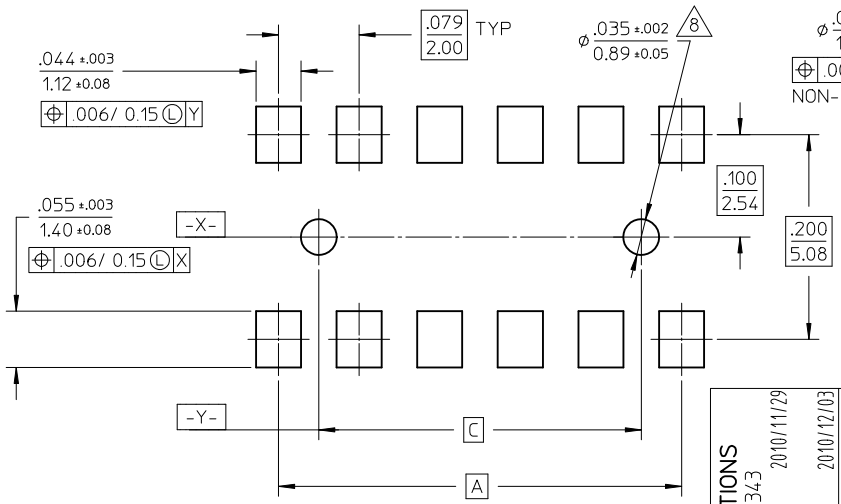
( 4 ) 30uIn (0.75um) MIN. GOLD PLATE IN SELECTED AREA AND 75uIn (1.88um) MIN. TIN IN SELECTED AREA OVER 50uIn (1.25um) MIN. NICKEL OVER-ALL.

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

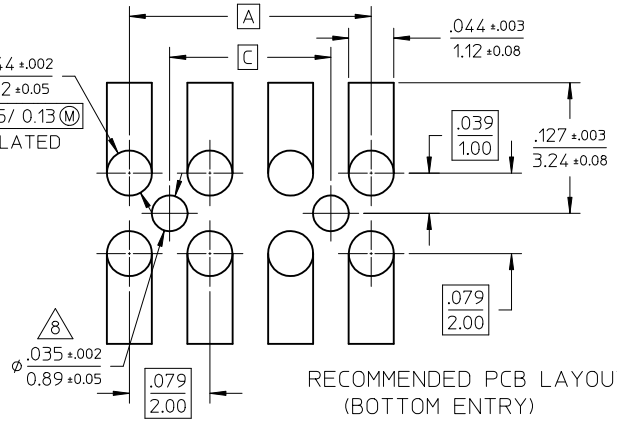
( 6 ) 5uIn (0.13um) MIN. GOLD PLATE IN SELECTED AREA AND 75uIn (1.88um) MIN. TIN IN SELECTED AREA OVER 50uIn (1.25um) MIN. NICKEL OVER-ALL.

## NOTES:

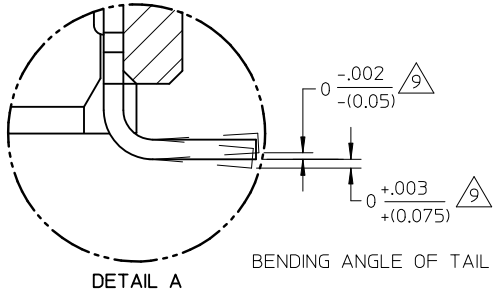
1 - HOUSING MATERIAL: GLASS FILLED HIGH TEMP. THERMOPLASTIC. COLOR: BLACK.
2 - TERMINAL MATERIAL: PHOSPHOR BRONZE
3 - SEE APPROPRIATE SHEET FOR CIRCUIT SIZE, PART NUMBERS AND OVER-ALL DIMENSIONS.
4 - FOR ILLUSTRATION, 6& 12 CIRCUIT ASSEMBLY SHOWN.
5 - REFER TO PRODUCT SPECIFICATION PS-79107.
6 - TUBE PACKAGING PER PK-70873-0217 OR TAPE PACKAGING PER PK-70873-0259.
7 - SEE PSX-79107 FOR SUGGESTED BOTTOM ENTRY PIN LENGTHS.
8 - .035 DIA. FOR PRESS FIT ONLY. USE .039±.002 FOR ALIGNMENT PURPOSES ON PICK AND PLACE.
9 - MEASUREMENT IS TAKEN BETWEEN THE TANGENT OF THE TOE TO TIP OF THE TERMINAL.




RECOMMENDED PCB LAYOUT




RECOMMENDED PCB LAYOUT
(BOTTOM ENTRY)




REMOVE OPTIONS
EC NO: S2011-0343
DRWN:SKANG 2010/11/29
CH'KD:ATSEE 2010/12/03
APPR:MLONG
DESCRIPTION
M7
REV

QUALITY SYMBOLS
FA=0
FC=0
FP=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± .010 |
| 2 PLACES | ± 0.25 | ± .015 |
| 1 PLACE | ± 0.38 | ± --- |
| ANGULAR ± 3 ° | | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

| | |
|---|---|
| DIMENSION STYLE | IN/MM |
| SCALE | NTS |
| DESIGN UNITS | INCH |
| | THIRD ANGLE PROJECTION |
| DRAWN BY | AAB |
| DATE | 1989/05/15 |
| CHECKED BY | MJM |
| DATE | 1989/05/15 |
| APPROVED BY | MLONG |
| DATE | 2010/02/18 |
| MATERIAL NO. | SEE TABLE |
| TITLE | 2MM DUAL ROW VERTICAL RECEPTACLE, SMT |
| | MOLEX INCORPORATED |
| DOCUMENT NO. | SDA-79109-**** |
| SHEET NO. | 5 OF 9 |
| SIZE | A3 |

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

# PEG OPTION

| | DIM. "A" | | DIM. "B" | | DIM. "C" | | DIM. "D" | | PLATING OPTION 5 | | PLATING OPTION 4 | | PLATING OPTION 6 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CKT. SIZE | INCH | MM | INCH | MM | INCH | MM | INCH | MM | 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) |
| 04 | .079 | (2.00) | .165 | (4.19) | - | - | .183 | (4.65) | 79109-1201 | 79109-8601 | 79109-1251 | 79109-8651 | X | 79109-1301 | - |
| 06 | .157 | (4.00) | .244 | (6.19) | .079 | (2.00) | .183 | (4.65) | 79109-1202 | 79109-8602 | 79109-1252 | 79109-8652 | X | 79109-1302 | - |
| 08 | .236 | (6.00) | .322 | (8.19) | .157 | (4.00) | .183 | (4.65) | 79109-1203 | 79109-8603 | 79109-1253 | 79109-8653 | X | 79109-1303 | - |
| 10 | .315 | (8.00) | .401 | (10.19) | .236 | (6.00) | .183 | (4.65) | 79109-1204 | 79109-8604 | 79109-1254 | 79109-8654 | X | 79109-1304 | - |
| 12 | .394 | (10.00) | .480 | (12.19) | .315 | (8.00) | .183 | (4.65) | 79109-1205 | 79109-8605 | 79109-1255 | 79109-8655 | X | 79109-1305 | - |
| 14 | .472 | (12.00) | .559 | (14.19) | .394 | (10.00) | .183 | (4.65) | 79109-1206 | 79109-8606 | 79109-1256 | 79109-8656 | X | 79109-1306 | - |
| 16 | .551 | (14.00) | .637 | (16.19) | .472 | (12.00) | .183 | (4.65) | 79109-1207 | 79109-8607 | 79109-1257 | 79109-8657 | X | 79109-1307 | - |
| 18 | .630 | (16.00) | .716 | (18.19) | .551 | (14.00) | .183 | (4.65) | 79109-1208 | 79109-8608 | 79109-1258 | 79109-8658 | X | 79109-1308 | - |
| 20 | .709 | (18.00) | .795 | (20.19) | .630 | (16.00) | .183 | (4.65) | 79109-1209 | 79109-8609 | 79109-1259 | 79109-8659 | X | 79109-1309 | - |
| 22 | .787 | (20.00) | .874 | (22.19) | .709 | (18.00) | .183 | (4.65) | 79109-1210 | 79109-8610 | 79109-1260 | 79109-8660 | X | 79109-1310 | - |
| 24 | .866 | (22.00) | .952 | (24.19) | .787 | (20.00) | .183 | (4.65) | 79109-1211 | 79109-8611 | 79109-1261 | 79109-8661 | X | 79109-1311 | - |
| 26 | .945 | (24.00) | 1.031 | (26.19) | .866 | (22.00) | .183 | (4.65) | 79109-1212 | 79109-8612 | 79109-1262 | 79109-8662 | X | 79109-1312 | - |
| 28 | 1.024 | (26.00) | 1.110 | (28.19) | .945 | (24.00) | .183 | (4.65) | 79109-1213 | 79109-8613 | 79109-1263 | 79109-8663 | X | 79109-1313 | - |
| 30 | 1.102 | (28.00) | 1.188 | (30.19) | 1.024 | (26.00) | .183 | (4.65) | 79109-1214 | 79109-8614 | 79109-1264 | 79109-8664 | X | 79109-1314 | - |
| 32 | 1.181 | (30.00) | 1.267 | (32.19) | 1.102 | (28.00) | .183 | (4.65) | 79109-1215 | 79109-8615 | 79109-1265 | 79109-8665 | X | 79109-1315 | - |
| 34 | 1.260 | (32.00) | 1.346 | (34.19) | 1.181 | (30.00) | .183 | (4.65) | 79109-1216 | 79109-8616 | 79109-1266 | 79109-8666 | X | 79109-1316 | - |
| 36 | 1.338 | (34.00) | 1.425 | (36.19) | 1.260 | (32.00) | .183 | (4.65) | 79109-1217 | 79109-8617 | 79109-1267 | 79109-8667 | X | 79109-1317 | - |
| 38 | 1.417 | (36.00) | 1.504 | (38.19) | 1.338 | (34.00) | .183 | (4.65) | 79109-1218 | 79109-8618 | 79109-1268 | 79109-8668 | X | 79109-1318 | - |
| 40 | 1.496 | (38.00) | 1.582 | (40.19) | 1.417 | (36.00) | .183 | (4.65) | 79109-1219 | 79109-8619 | 79109-1269 | 79109-8669 | X | 79109-1319 | - |
| 42 | 1.575 | (40.00) | 1.661 | (42.19) | 1.496 | (38.00) | .183 | (4.65) | 79109-1220 | 79109-8620 | 79109-1270 | 79109-8670 | X | 79109-1320 | - |
| 44 | 1.654 | (42.00) | 1.740 | (44.19) | 1.575 | (40.00) | .183 | (4.65) | 79109-1221 | 79109-8621 | 79109-1271 | 79109-8671 | X | 79109-1321 | - |
| 46 | 1.732 | (44.00) | 1.818 | (46.19) | 1.654 | (42.00) | .183 | (4.65) | 79109-1222 | 79109-8622 | 79109-1272 | 79109-8672 | X | 79109-1322 | - |
| 48 | 1.811 | (46.00) | 1.897 | (48.19) | 1.732 | (44.00) | .183 | (4.65) | 79109-1223 | 79109-8623 | 79109-1273 | 79109-8673 | X | 79109-1323 | - |
| 50 | 1.890 | (48.00) | 1.976 | (50.19) | 1.811 | (46.00) | .183 | (4.65) | 79109-1224 | 79109-8624 | 79109-1274 | 79109-8674 | X | 79109-1324 | - |

"X" INDICATES TOOLING NOT AVAILABLE

REMOVE OPTIONS
EC NO: S2011-0343 2010/11/29
DRWN:SKANG CH'KD:ATSEE APPR:MLONG 2010/12/03
DESCRIPTION
REV
M7

QUALITY SYMBOLS
$\overline{FA}$=0
$\overline{FC}$=0
$\overline{FP}$=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± .010 |
| 2 PLACES | ± 0.25 | ± .015 |
| 1 PLACE | ± 0.38 | ± --- |
| ANGULAR ± 3 ° | | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM
SCALE: NTS
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY: AAB DATE: 1989/05/15
CHECKED BY: MJM DATE: 1989/05/15
APPROVED BY: MLONG DATE: 2010/02/18
MATERIAL NO.: SEE TABLE

TITLE: 2MM DUAL ROW VERTICAL RECEPTACLE, SMT
MOLEX INCORPORATED
DOCUMENT NO.: SDA-79109-****
SHEET NO.: 6 OF 9
SIZE: A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

# PEG OPTION

## SPECIAL PACKAGING (TAPE PACKED WITHOUT CAP)

| | DIM. "A" | | DIM. "B" | | DIM. "C" | | DIM. "D" | | ITEM NO. | PLATING OPTION SEE SHEET 1 |
|---|---|---|---|---|---|---|---|---|---|---|
| CKT. SIZE | INCH | MM | INCH | MM | INCH | MM | INCH | MM | | |
| 50 | 1.890 | (48.00) | 1.976 | (50.19) | 1.811 | (46.00) | .183 | (4.65) | 79109-9103 | 5 |

REMOVE OPTIONS
EC NO: S2011-0343 2010/11/29
DRWN:SKANG CH'KD:ATSEE APPR:MLONG 2010/12/03
DESCRIPTION
REV
M7

QUALITY SYMBOLS
FA=0
FC=0
FP=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± .010 |
| 2 PLACES | ± 0.25 | ± .015 |
| 1 PLACE | ± 0.38 | ± --- |
| ANGULAR ± 3 ° | | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM
SCALE: NTS
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY: AAB DATE: 1989/05/15
CHECKED BY: MJM DATE: 1989/05/15
APPROVED BY: MLONG DATE: 2010/02/18

TITLE: 2MM DUAL ROW VERTICAL RECEPTACLE, SMT

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SDA-79109-****
SHEET NO.: 7 OF 9
SIZE: A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

# ASSEMBLIES WITH PEGS
# VOIDED CIRCUIT OPTION

| CKT. SIZE | ASSEMBLY (WITHOUT CAP IN TUBE) ITEM NO. | VOID LOCATION(S) SEE SHEET 1 FOR CONVENTION ROW | CKT. NO.(s) | PLATING OPTION | DIM. "A" INCH | DIM. "A" MM | DIM. "B" INCH | DIM. "B" MM | DIM. "C" INCH | DIM. "C" MM | DIM. "D" INCH | DIM. "D" MM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 48 | 79109-6011 | ROW A | 1, 24 | 5 | 1.811 | (46.00) | 1.897 | (48.19) | 1.732 | (44.00) | .183 | ( 4.65) |
| 44 | 79109-6012 | ROW B | 10 | 5 | 1.654 | (42.00) | 1.740 | (44.19) | 1.575 | (42.00) | .183 | ( 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.

REMOVE OPTIONS
EC NO: S2011-0343 2010/11/29
DRWN:SKANG CH'KD:ATSEE APPR:MLONG 2010/12/03
M7
REV DESCRIPTION

QUALITY SYMBOLS
FA=0
FC=0
FP=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± .010 |
| 2 PLACES | ± 0.25 | ± .015 |
| 1 PLACE | ± 0.38 | ± --- |
| ANGULAR ± 3 ° | | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM
SCALE: NTS
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY: AAB DATE: 1989/05/15
CHECKED BY: MJM DATE: 1989/05/15
APPROVED BY: MLONG DATE: 2010/02/18

TITLE: 2MM DUAL ROW VERTICAL RECEPTACLE, SMT

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SDA-79109-****
SHEET NO.: 8 OF 9
SIZE: A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

# SPECIAL - CUSTOM TERMINAL FEET

## PEG OPTION

| CKT. SIZE | DIM. "A" INCH | DIM. "A" MM | DIM. "B" INCH | DIM. "B" MM | DIM. "C" INCH | DIM. "C" MM | DIM. "D" INCH | DIM. "D" MM | PLATING OPTION 5 ITEM NO. TUBE PACKED (WITHOUT CAP) | | ITEM NO. TAPE PACKED (WITH CAP) | | ITEM NO. TUBE PACKED (WITH CAP) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04 | .079 | (2.00) | .165 | (4.19) | - | - | .185 | (4.70) | X | - | X | 79109-8751 | X | - |
| 06 | .157 | (4.00) | .244 | (6.19) | .079 | (2.00) | .185 | (4.70) | X | - | X | 79109-8752 | X | - |
| 08 | .236 | (6.00) | .322 | (8.19) | .157 | (4.00) | .185 | (4.70) | X | - | X | 79109-8753 | X | - |
| 10 | .315 | (8.00) | .401 | (10.19) | .236 | (6.00) | .185 | (4.70) | X | - | X | 79109-8754 | X | - |
| 12 | .394 | (10.00) | .480 | (12.19) | .315 | (8.00) | .185 | (4.70) | X | - | X | 79109-8755 | X | - |
| 14 | .472 | (12.00) | .559 | (14.19) | .394 | (10.00) | .185 | (4.70) | X | - | X | 79109-8756 | X | - |
| 16 | .551 | (14.00) | .637 | (16.19) | .472 | (12.00) | .185 | (4.70) | X | - | X | 79109-8757 | X | - |
| 18 | .630 | (16.00) | .716 | (18.19) | .551 | (14.00) | .185 | (4.70) | X | - | X | 79109-8758 | X | - |
| 20 | .709 | (18.00) | .795 | (20.19) | .630 | (16.00) | .185 | (4.70) | X | - | X | 79109-8759 | X | - |
| 22 | .787 | (20.00) | .874 | (22.19) | .709 | (18.00) | .185 | (4.70) | X | - | X | 79109-8760 | X | - |
| 24 | .866 | (22.00) | .952 | (24.19) | .787 | (20.00) | .185 | (4.70) | X | - | X | 79109-8761 | X | - |
| 26 | .945 | (24.00) | 1.031 | (26.19) | .866 | (22.00) | .185 | (4.70) | X | - | X | 79109-8762 | X | - |
| 28 | 1.024 | (26.00) | 1.110 | (28.19) | .945 | (24.00) | .185 | (4.70) | X | - | X | 79109-8763 | X | - |
| 30 | 1.102 | (28.00) | 1.188 | (30.19) | 1.024 | (26.00) | .185 | (4.70) | | 79109-7010 | | 79109-8764 | X | 79109-7065 |
| 32 | 1.181 | (30.00) | 1.267 | (32.19) | 1.102 | (28.00) | .185 | (4.70) | X | - | X | 79109-8765 | X | - |
| 34 | 1.260 | (32.00) | 1.346 | (34.19) | 1.181 | (30.00) | .185 | (4.70) | X | - | X | 79109-8766 | X | - |
| 36 | 1.338 | (34.00) | 1.425 | (36.19) | 1.260 | (32.00) | .185 | (4.70) | X | - | X | 79109-8767 | X | - |
| 38 | 1.417 | (36.00) | 1.504 | (38.19) | 1.338 | (34.00) | .185 | (4.70) | X | - | X | 79109-8768 | X | - |
| 40 | 1.496 | (38.00) | 1.582 | (40.19) | 1.417 | (36.00) | .185 | (4.70) | X | - | X | 79109-8769 | X | - |
| 42 | 1.575 | (40.00) | 1.661 | (42.19) | 1.496 | (38.00) | .185 | (4.70) | X | - | X | N.A. | X | - |
| 44 | 1.654 | (42.00) | 1.740 | (44.19) | 1.575 | (40.00) | .185 | (4.70) | | 79109-7016 | X | N.A. | X | - |
| 46 | 1.732 | (44.00) | 1.818 | (46.19) | 1.654 | (42.00) | .185 | (4.70) | X | - | X | N.A. | X | - |
| 48 | 1.811 | (46.00) | 1.897 | (48.19) | 1.732 | (44.00) | .185 | (4.70) | X | - | X | N.A. | X | - |
| 50 | 1.890 | (48.00) | 1.976 | (50.19) | 1.811 | (46.00) | .185 | (4.70) | | 79109-7015 | X | N.A. | X | - |

"X" INDICATES TOOLING NOT AVAILABLE

REMOVE OPTIONS
EC NO: S2011-0343 2010/11/29
DRWN:SKANG CH'KD:ATSEE APPR:MLONG 2010/12/03
DESCRIPTION
REV
M7

QUALITY SYMBOLS
$\sqrt{F_A}$=0
$\sqrt{F_C}$=0
$\sqrt{F_P}$=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± .010 |
| 2 PLACES | ± 0.25 | ± .015 |
| 1 PLACE | ± 0.38 | ± --- |
| ANGULAR ± 3 ° | | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM
SCALE: NTS
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY: AAB DATE: 1989/05/15
CHECKED BY: MJM DATE: 1989/05/15
APPROVED BY: MLONG DATE: 2010/02/18
MATERIAL NO.: SEE TABLE

TITLE: 2MM DUAL ROW VERTICAL RECEPTACLE, SMT

MOLEX INCORPORATED

DOCUMENT NO.: SDA-79109-****
SHEET NO.: 9 OF 9
SIZE: A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

# SPECIAL - CUSTOM TERMINAL FEET

## VOIDED CIRCUIT 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) | | INCH | MM | INCH | MM | INCH | MM | INCH | MM | |
| 48 | | 79109-7011 | X | 79109-8385 | ROW A | 1, 24 | 5 | 1.811 | (46.00) | 1.897 | (48.19) | 1.732 | (44.00) | .185 | (4.70) | YES |
| 42 | | 79109-7012 | X | 79109-8386 | ROW A | 1, 21 | 5 | 1.575 | (40.00) | 1.661 | (42.19) | 1.496 | (38.00) | .185 | (4.70) | YES |
| 20 | | 79109-7013 | | 79109-8387 | ROW A | 1, 10 | 5 | .709 | (18.00) | .795 | (20.19) | .630 | (16.00) | .185 | (4.70) | YES |
| 50 | | 79109-7014 | X | 79109-8388 | ROW B | 13 | 5 | 1.890 | (48.00) | 1.976 | (50.19) | 1.811 | (46.00) | .185 | (4.70) | YES |
| 50 | | 79109-7017 | | 79109-8988 | ROW B | 13 | 5 | 1.890 | (48.00) | 1.976 | (50.19) | 1.811 | (46.00) | .185 | (4.70) | NO |

*X* INDICATES TOOLING IS NOT AVAILABLE

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.

REMOVE OPTIONS
EC NO: S2011-0343 2010/11/29
DRWN:SKANG CH'KD:ATSEE APPR:MLONG 2010/12/03
DESCRIPTION
REV
M7

QUALITY SYMBOLS
$\boxed{F_A}$=0
$\boxed{F_C}$=0
$\boxed{F_P}$=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± .010 |
| 2 PLACES | ± 0.25 | ± .015 |
| 1 PLACE | ± 0.38 | ± --- |
| ANGULAR ± 3 ° | | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM
SCALE: NTS
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

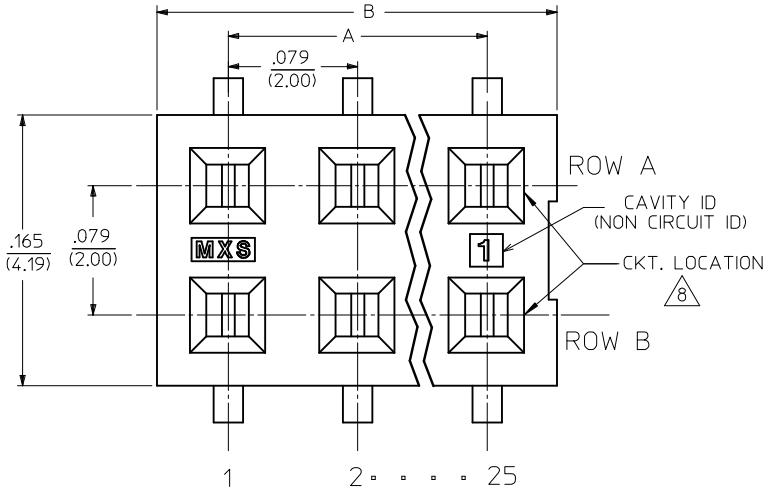
DRAWN BY: AAB DATE: 1989/05/15
CHECKED BY: MJM DATE: 1989/05/15
APPROVED BY: MLONG DATE: 2010/02/18
MATERIAL NO.: SEE TABLE

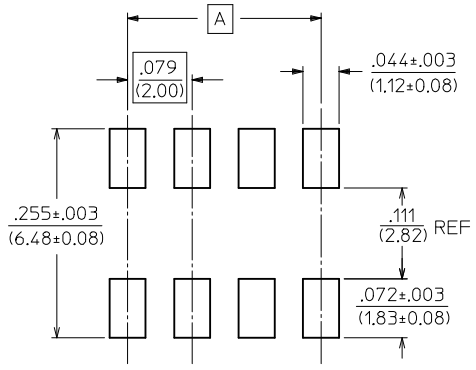
TITLE: 2MM DUAL ROW VERTICAL RECEPTACLE, SMT

MOLEX INCORPORATED

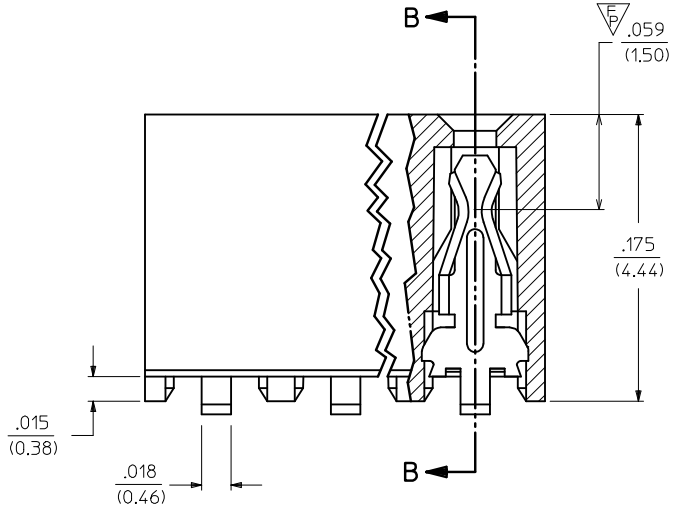
DOCUMENT NO.: SDA-79109-****
SHEET NO.: 9 OF 9
SIZE: A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

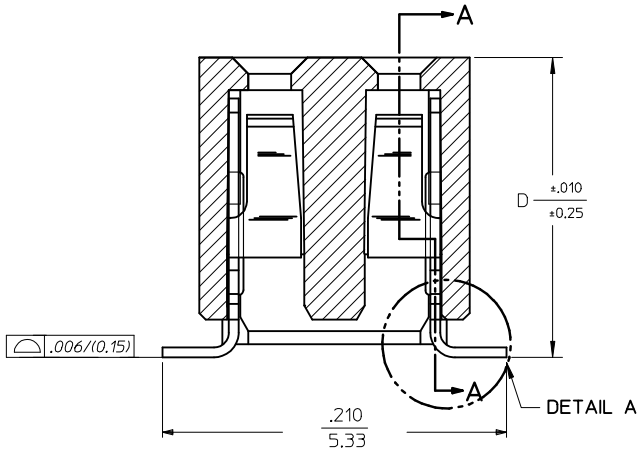



RECOMMENDED PCB PAD LAYOUT




SECTION A-A



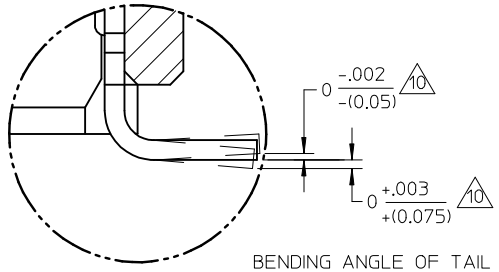

SECTION B-B

## 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.

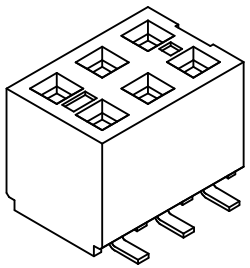
## PLATING OPTION:

4. 30u" (0.75um) MIN. GOLD PLATE IN SELECTED AREA AND 75u" (1.88um) MIN. TIN PLATE IN SELECTED AREA OVER 50u" (1.25um) MIN. NICKEL OVERALL.
5. 15u" (0.38um) MIN. GOLD PLATE IN SELECTED AREA AND 75u" (1.88um) MIN. TIN PLATE IN SELECTED AREA OVER 50u" (1.25um) MIN. NICKEL OVERALL.
6. 5u" (0.13um) MIN. GOLD PLATE IN SELECTED AREA AND 75u" (1.88um) MIN. TIN PLATE IN SELECTED AREA OVER 50u" (1.25um) MIN. NICKEL OVERALL.




DETAIL A

BENDING ANGLE OF TAIL



| | | | |
|---|---|---|---|
| REMOVE DATUM Y | 2015/07/28 | | |
| EC NO: S2016-0112 | 2015/08/15 | | |
| DRWN:ATSEE | 2015/08/19 | | |
| CH'KD:CGOH | | | |
| APPR:KHLIM | | | |
| M9 | | DESCRIPTION | REV |

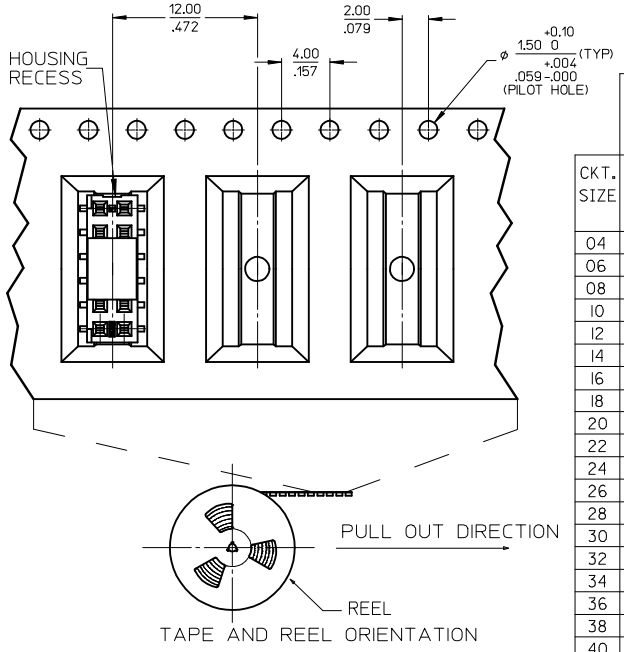
QUALITY SYMBOLS
FA=0
FC=0
FP=1

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ±.010 |
| 2 PLACES | ± 0.25 | ±.015 |
| 1 PLACE | ± 0.38 | ± --- |
| ANGULAR ± 3 ° | | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

| | | | |
|---|---|---|---|
| DIMENSION STYLE: IN/MM | SCALE: NTS | DESIGN UNITS: INCH | THIRD ANGLE PROJECTION |
| DRAWN BY: AAB | DATE: 1989/05/15 | TITLE: 2MM DUAL ROW VERTICAL RECEPTACLE, SMT | |
| CHECKED BY: MJM | DATE: 1989/05/15 | | |
| APPROVED BY: LBLEE | DATE: 2014/08/01 | MOLEX INCORPORATED | |
| MATERIAL NO.: SEE TABLE | | DOCUMENT NO.: SDA-79109-XXXX | SHEET NO.: 1 OF 9 |
| SIZE: A3 | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | |



TAPE AND REEL ORIENTATION

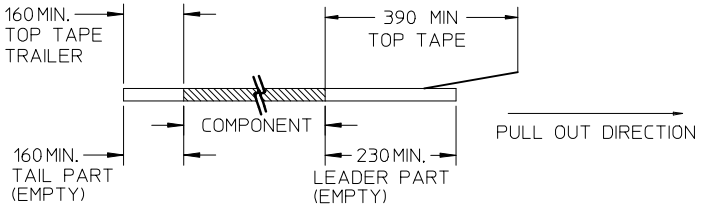
# WITHOUT PEG OPTION

| CKT. SIZE | DIM. "A" INCH | DIM. "A" MM | DIM. "B" INCH | DIM. "B" MM | DIM. "D" INCH | DIM. "D" MM | PLATING OPTION 5 ITEM NO. TUBE PACKED (WITHOUT CAP) | PLATING OPTION 5 ITEM NO. TAPE PACKED (WITH CAP) | PLATING OPTION 4 ITEM NO. TUBE PACKED (WITHOUT CAP) | PLATING OPTION 4 ITEM NO. TAPE PACKED (WITH CAP) | PLATING OPTION 6 ITEM NO. TUBE PACKED (WITHOUT CAP) | | PLATING OPTION 6 ITEM NO. TAPE PACKED (WITH CAP) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04 | .079 | (2.00) | .165 | (4.19) | .183 | (4.65) | 79109-1001 | 79109-8401 | 79109-1051 | 79109-8451 | X | 79109-1101 | - |
| 06 | .157 | (4.00) | .244 | (6.19) | .183 | (4.65) | 79109-1002 | 79109-8402 | 79109-1052 | 79109-8452 | X | 79109-1102 | - |
| 08 | .236 | (6.00) | .322 | (8.19) | .183 | (4.65) | 79109-1003 | 79109-8403 | 79109-1053 | 79109-8453 | X | 79109-1103 | - |
| 10 | .315 | (8.00) | .401 | (10.19) | .183 | (4.65) | 79109-1004 | 79109-8404 | 79109-1054 | 79109-8454 | X | 79109-1104 | - |
| 12 | .394 | (10.00) | .480 | (12.19) | .183 | (4.65) | 79109-1005 | 79109-8405 | 79109-1055 | 79109-8455 | X | 79109-1105 | - |
| 14 | .472 | (12.00) | .559 | (14.19) | .183 | (4.65) | 79109-1006 | 79109-8406 | 79109-1056 | 79109-8456 | X | 79109-1106 | - |
| 16 | .551 | (14.00) | .637 | (16.19) | .183 | (4.65) | 79109-1007 | 79109-8407 | 79109-1057 | 79109-8457 | X | 79109-1107 | - |
| 18 | .630 | (16.00) | .716 | (18.19) | .183 | (4.65) | 79109-1008 | 79109-8408 | 79109-1058 | 79109-8458 | X | 79109-1108 | - |
| 20 | .709 | (18.00) | .795 | (20.19) | .183 | (4.65) | 79109-1009 | 79109-8409 | 79109-1059 | 79109-8459 | X | 79109-1109 | - |
| 22 | .787 | (20.00) | .874 | (22.19) | .183 | (4.65) | 79109-1010 | 79109-8410 | 79109-1060 | 79109-8460 | X | 79109-1110 | - |
| 24 | .866 | (22.00) | .952 | (24.19) | .183 | (4.65) | 79109-1011 | 79109-8411 | 79109-1061 | 79109-8461 | X | 79109-1111 | - |
| 26 | .945 | (24.00) | 1.031 | (26.19) | .183 | (4.65) | 79109-1012 | 79109-8412 | 79109-1062 | 79109-8462 | X | 79109-1112 | - |
| 28 | 1.024 | (26.00) | 1.110 | (28.19) | .183 | (4.65) | 79109-1013 | 79109-8413 | 79109-1063 | 79109-8463 | X | 79109-1113 | - |
| 30 | 1.102 | (28.00) | 1.188 | (30.19) | .183 | (4.65) | 79109-1014 | 79109-8414 | 79109-1064 | 79109-8464 | X | 79109-1114 | - |
| 32 | 1.181 | (30.00) | 1.267 | (32.19) | .183 | (4.65) | 79109-1015 | 79109-8415 | 79109-1065 | 79109-8465 | X | 79109-1115 | - |
| 34 | 1.260 | (32.00) | 1.346 | (34.19) | .183 | (4.65) | 79109-1016 | 79109-8416 | 79109-1066 | 79109-8466 | X | 79109-1116 | - |
| 36 | 1.338 | (34.00) | 1.425 | (36.19) | .183 | (4.65) | 79109-1017 | 79109-8417 | 79109-1067 | 79109-8467 | X | 79109-1117 | - |
| 38 | 1.417 | (36.00) | 1.504 | (38.19) | .183 | (4.65) | 79109-1018 | 79109-8418 | 79109-1068 | 79109-8468 | X | 79109-1118 | - |
| 40 | 1.496 | (38.00) | 1.582 | (40.19) | .183 | (4.65) | 79109-1019 | 79109-8419 | 79109-1069 | 79109-8469 | X | 79109-1119 | - |
| 42 | 1.575 | (40.00) | 1.661 | (42.19) | .183 | (4.65) | 79109-1020 | 79109-8420 | 79109-1070 | 79109-8470 | X | 79109-1120 | - |
| 44 | 1.654 | (42.00) | 1.740 | (44.19) | .183 | (4.65) | 79109-1021 | 79109-8421 | 79109-1071 | 79109-8471 | X | 79109-1121 | - |
| 46 | 1.732 | (44.00) | 1.818 | (46.19) | .183 | (4.65) | 79109-1022 | 79109-8422 | 79109-1072 | 79109-8472 | X | 79109-1122 | - |
| 48 | 1.811 | (46.00) | 1.897 | (48.19) | .183 | (4.65) | 79109-1023 | 79109-8423 | 79109-1073 | 79109-8473 | X | 79109-1123 | - |
| 50 | 1.890 | (48.00) | 1.976 | (50.19) | .183 | (4.65) | 79109-1024 | 79109-8424 | 79109-1074 | 79109-8474 | X | 79109-1124 | - |

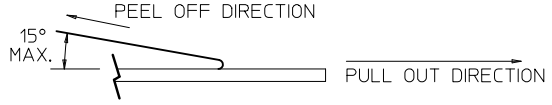
"X" INDICATES TOOLING NOT AVAILABLE

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" INCH | DIM. "A" MM | DIM. "B" INCH | DIM. "B" MM | DIM. "D" INCH | DIM. "D" MM | ITEM NO. | PLATING OPTION SEE SHEET 1 |
|---|---|---|---|---|---|---|---|---|
| 06 | .157 | (4.00) | .244 | (6.19) | .183 | (4.65) | 79109-9004 | 5 |
| 20 | .709 | (18.00) | .795 | (20.19) | .183 | (4.65) | 79109-9005 | 5 |
| 50 | 1.890 | (48.00) | 1.976 | (50.19) | .183 | (4.65) | 79109-9006 | 5 |
| 34 | 1.260 | (32.00) | 1.346 | (34.19) | .183 | (4.65) | 79109-9007 | 5 |

SEE SHT 4
EC NO: S2016-0112 2015/07/28
DRWN:ATSEE 2015/08/15
CH'KD:CGOH 2015/08/19
APPR:KHLIM
DESCRIPTION
REV
M9

QUALITY SYMBOLS
$\sqrt{F_A}$=0
$\sqrt{F_C}$=0
$\sqrt{F_B}$=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± .010 |
| 2 PLACES | ± 0.25 | ± .015 |
| 1 PLACE | ± 0.38 | ± --- |
| ANGULAR ± 3 ° | | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM
SCALE: NTS
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY: AAB DATE: 1989/05/15
CHECKED BY: MJM DATE: 1989/05/15
APPROVED BY: LBLEE DATE: 2014/08/01
MATERIAL NO.: SEE TABLE

TITLE: 2MM DUAL ROW VERTICAL RECEPTACLE, SMT

MOLEX INCORPORATED

DOCUMENT NO.: SDA-79109-XXXX
SHEET NO.: 2 OF 9
SIZE: A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

# ASSEMBLIES WITHOUT PEGS

## VOIDED CIRCUIT OPTION

| CKT. SIZE | ASSEMBLY (WITHOUT CAP IN TUBE) PART NUMBER | VOID LOCATION(S) SEE SHEET 1 FOR CONVENTION ROW | CKT. NO.(S) | PLATING OPTION | DIM. "A" INCH | DIM. "A" MM | DIM. "B" INCH | DIM. "B" MM | DIM. "D" INCH | DIM. "D" MM |
|---|---|---|---|---|---|---|---|---|---|---|
| 22 | 79109-5011 | A | 2 | 4 | .787 | (20.00) | .874 | (22.19) | .183 | ( 4.65) |
| 6 | 79109-5012 | A | 2 | 5 | .157 | (4.00) | .244 | (6.19) | .183 | ( 4.65) |

| CKT SIZE | ASSEMBLY (WITH CAP IN T&R) PART NUMBER | VOID LOCATION(S) SEE SHEET 1 FOR CONVENTION ROW | CKT NO. | PLATING OPTION | DIM A INCH | DIM A MM | DIM B INCH | DIM B MM | DIM D INCH | DIM D MM |
|---|---|---|---|---|---|---|---|---|---|---|
| 50 | 79109-8924 | A | 13, 23 | 5 | 1.890 | (48.00) | 1.976 | (50.19) | .183 | (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.

SEE SHT 4
EC NO: S2016-0112
DRWN:ATSEE 2015/07/28
CH'KD:CGOH 2015/08/15
APPR:KHLIM 2015/08/19
DESCRIPTION
REV
M9

QUALITY SYMBOLS
$\sqrt{F_A}$=0
$\sqrt{F_C}$=0
$\sqrt{F_P}$=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± .010 |
| 2 PLACES | ± 0.25 | ± .015 |
| 1 PLACE | ± 0.38 | ± --- |
| ANGULAR ± 3 ° | | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM
SCALE: NTS
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

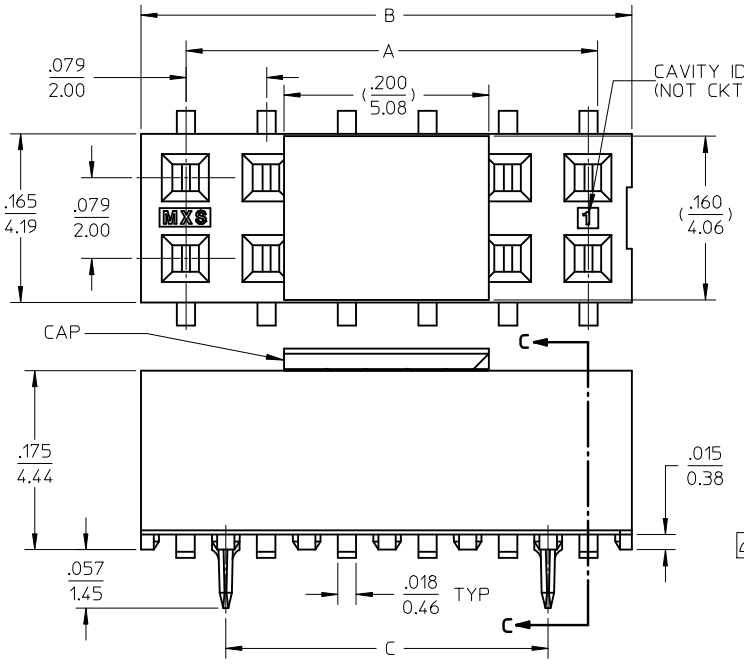
DRAWN BY: AAB DATE: 1989/05/15
CHECKED BY: MJM DATE: 1989/05/15
APPROVED BY: LBLEE DATE: 2014/08/01
MATERIAL NO.: SEE TABLE

TITLE: 2MM DUAL ROW VERTICAL RECEPTACLE, SMT

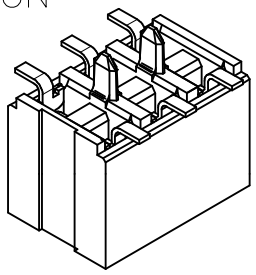
MOLEX INCORPORATED

DOCUMENT NO.: SDA-79109-XXXX
SHEET NO.: 3 OF 9
SIZE: A3

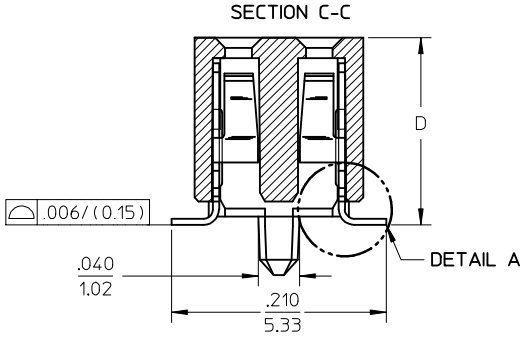
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION




# PEG OPTION



CONNECTOR WITH CAP




## PLATING OPTION:

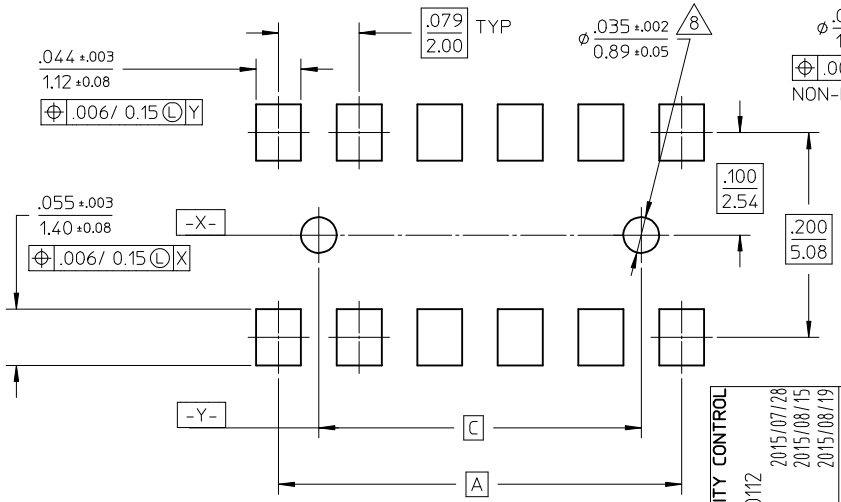
( 4 ) 30uin (0.75um) MIN. GOLD PLATE IN SELECTED AREA AND 75uin (1.88um) MIN. TIN IN SELECTED AREA OVER 50uin (1.25um) MIN. NICKEL OVER-ALL.

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

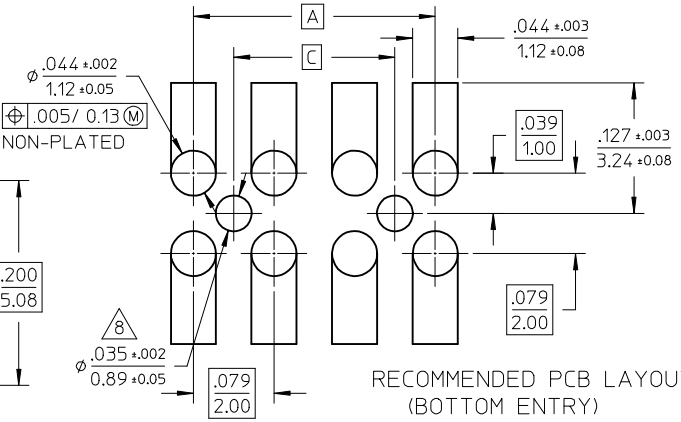
( 6 ) 5uin (0.13um) MIN. GOLD PLATE IN SELECTED AREA AND 75uin (1.88um) MIN. TIN IN SELECTED AREA OVER 50uin (1.25um) MIN. NICKEL OVER-ALL.

## NOTES:

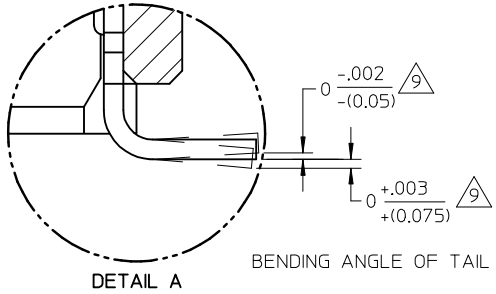
1 - HOUSING MATERIAL: GLASS FILLED HIGH TEMP. THERMOPLASTIC. COLOR: BLACK.
2 - TERMINAL MATERIAL: PHOSPHOR BRONZE
3 - SEE APPROPRIATE SHEET FOR CIRCUIT SIZE, PART NUMBERS AND OVER-ALL DIMENSIONS.
4 - FOR ILLUSTRATION, 6& 12 CIRCUIT ASSEMBLY SHOWN.
5 - REFER TO PRODUCT SPECIFICATION PS-79107.
6 - TUBE PACKAGING PER PK-70873-0217 OR TAPE PACKAGING PER PK-70873-0259.
7 - SEE PSX-79107 FOR SUGGESTED BOTTOM ENTRY PIN LENGTHS.
8 - .035 DIA. FOR PRESS FIT ONLY. USE .039±.002 FOR ALIGNMENT PURPOSES ON PICK AND PLACE.
9 - MEASUREMENT IS TAKEN BETWEEN THE TANGENT OF THE TOE TO TIP OF THE TERMINAL.




RECOMMENDED PCB LAYOUT




RECOMMENDED PCB LAYOUT
(BOTTOM ENTRY)




ADD COPLANARITY CONTROL TO SMT TAIL. EC NO: S2016-0112 2015/07/28
DRWN:ATSEE 2015/08/15
CH'KD:CGOH 2015/08/19
APPR:KHLIM
DESCRIPTION
REV
M9

QUALITY SYMBOLS
FA=0
FC=0
FP=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ±.010 |
| 2 PLACES | ± 0.25 | ±.015 |
| 1 PLACE | ± 0.38 | ± --- |
| ANGULAR ± 3 ° | | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM
SCALE: NTS
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

| | |
|---|---|
| DRAWN BY: AAB | DATE: 1989/05/15 |
| CHECKED BY: MJM | DATE: 1989/05/15 |
| APPROVED BY: LBLEE | DATE: 2014/08/01 |
| MATERIAL NO.: SEE TABLE | |

TITLE: 2MM DUAL ROW VERTICAL RECEPTACLE, SMT

MOLEX INCORPORATED

DOCUMENT NO.: SDA-79109-XXXX
SHEET NO.: 4 OF 9

SIZE A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

# PEG OPTION

| | DIM. "A" | | DIM. "B" | | DIM. "C" | | DIM. "D" | | PLATING OPTION 5 | | PLATING OPTION 4 | | PLATING OPTION 6 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CKT. SIZE | INCH | MM | INCH | MM | INCH | MM | INCH | MM | 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) |
| 04 | .079 | (2.00) | .165 | (4.19) | - | - | .183 | (4.65) | 79109-1201 | 79109-8601 | 79109-1251 | 79109-8651 | X | 79109-1301 | - |
| 06 | .157 | (4.00) | .244 | (6.19) | .079 | (2.00) | .183 | (4.65) | 79109-1202 | 79109-8602 | 79109-1252 | 79109-8652 | X | 79109-1302 | - |
| 08 | .236 | (6.00) | .322 | (8.19) | .157 | (4.00) | .183 | (4.65) | 79109-1203 | 79109-8603 | 79109-1253 | 79109-8653 | X | 79109-1303 | - |
| 10 | .315 | (8.00) | .401 | (10.19) | .236 | (6.00) | .183 | (4.65) | 79109-1204 | 79109-8604 | 79109-1254 | 79109-8654 | X | 79109-1304 | - |
| 12 | .394 | (10.00) | .480 | (12.19) | .315 | (8.00) | .183 | (4.65) | 79109-1205 | 79109-8605 | 79109-1255 | 79109-8655 | X | 79109-1305 | - |
| 14 | .472 | (12.00) | .559 | (14.19) | .394 | (10.00) | .183 | (4.65) | 79109-1206 | 79109-8606 | 79109-1256 | 79109-8656 | X | 79109-1306 | - |
| 16 | .551 | (14.00) | .637 | (16.19) | .472 | (12.00) | .183 | (4.65) | 79109-1207 | 79109-8607 | 79109-1257 | 79109-8657 | X | 79109-1307 | - |
| 18 | .630 | (16.00) | .716 | (18.19) | .551 | (14.00) | .183 | (4.65) | 79109-1208 | 79109-8608 | 79109-1258 | 79109-8658 | X | 79109-1308 | - |
| 20 | .709 | (18.00) | .795 | (20.19) | .630 | (16.00) | .183 | (4.65) | 79109-1209 | 79109-8609 | 79109-1259 | 79109-8659 | X | 79109-1309 | - |
| 22 | .787 | (20.00) | .874 | (22.19) | .709 | (18.00) | .183 | (4.65) | 79109-1210 | 79109-8610 | 79109-1260 | 79109-8660 | X | 79109-1310 | - |
| 24 | .866 | (22.00) | .952 | (24.19) | .787 | (20.00) | .183 | (4.65) | 79109-1211 | 79109-8611 | 79109-1261 | 79109-8661 | X | 79109-1311 | - |
| 26 | .945 | (24.00) | 1.031 | (26.19) | .866 | (22.00) | .183 | (4.65) | 79109-1212 | 79109-8612 | 79109-1262 | 79109-8662 | X | 79109-1312 | - |
| 28 | 1.024 | (26.00) | 1.110 | (28.19) | .945 | (24.00) | .183 | (4.65) | 79109-1213 | 79109-8613 | 79109-1263 | 79109-8663 | X | 79109-1313 | - |
| 30 | 1.102 | (28.00) | 1.188 | (30.19) | 1.024 | (26.00) | .183 | (4.65) | 79109-1214 | 79109-8614 | 79109-1264 | 79109-8664 | X | 79109-1314 | - |
| 32 | 1.181 | (30.00) | 1.267 | (32.19) | 1.102 | (28.00) | .183 | (4.65) | 79109-1215 | 79109-8615 | 79109-1265 | 79109-8665 | X | 79109-1315 | - |
| 34 | 1.260 | (32.00) | 1.346 | (34.19) | 1.181 | (30.00) | .183 | (4.65) | 79109-1216 | 79109-8616 | 79109-1266 | 79109-8666 | X | 79109-1316 | - |
| 36 | 1.338 | (34.00) | 1.425 | (36.19) | 1.260 | (32.00) | .183 | (4.65) | 79109-1217 | 79109-8617 | 79109-1267 | 79109-8667 | X | 79109-1317 | - |
| 38 | 1.417 | (36.00) | 1.504 | (38.19) | 1.338 | (34.00) | .183 | (4.65) | 79109-1218 | 79109-8618 | 79109-1268 | 79109-8668 | X | 79109-1318 | - |
| 40 | 1.496 | (38.00) | 1.582 | (40.19) | 1.417 | (36.00) | .183 | (4.65) | 79109-1219 | 79109-8619 | 79109-1269 | 79109-8669 | X | 79109-1319 | - |
| 42 | 1.575 | (40.00) | 1.661 | (42.19) | 1.496 | (38.00) | .183 | (4.65) | 79109-1220 | 79109-8620 | 79109-1270 | 79109-8670 | X | 79109-1320 | - |
| 44 | 1.654 | (42.00) | 1.740 | (44.19) | 1.575 | (40.00) | .183 | (4.65) | 79109-1221 | 79109-8621 | 79109-1271 | 79109-8671 | X | 79109-1321 | - |
| 46 | 1.732 | (44.00) | 1.818 | (46.19) | 1.654 | (42.00) | .183 | (4.65) | 79109-1222 | 79109-8622 | 79109-1272 | 79109-8672 | X | 79109-1322 | - |
| 48 | 1.811 | (46.00) | 1.897 | (48.19) | 1.732 | (44.00) | .183 | (4.65) | 79109-1223 | 79109-8623 | 79109-1273 | 79109-8673 | X | 79109-1323 | - |
| 50 | 1.890 | (48.00) | 1.976 | (50.19) | 1.811 | (46.00) | .183 | (4.65) | 79109-1224 | 79109-8624 | 79109-1274 | 79109-8674 | X | 79109-1324 | - |

"X" INDICATES TOOLING NOT AVAILABLE

SEE SHT 4
EC NO: S2016-0112 2015/07/28
DRWN:ATSEE 2015/08/15
CH'KD:CGOH 2015/08/19
APPR:KHLIM
DESCRIPTION
REV
M9

QUALITY SYMBOLS
$\sqrt{F_A}$=0
$\sqrt{F_C}$=0
$\sqrt{F_P}$=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± .010 |
| 2 PLACES | ± 0.25 | ± .015 |
| 1 PLACE | ± 0.38 | ± --- |
| ANGULAR ± 3 ° | | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM
SCALE: NTS
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY: AAB DATE: 1989/05/15
CHECKED BY: MJM DATE: 1989/05/15
APPROVED BY: LBLEE DATE: 2014/08/01
MATERIAL NO.: SEE TABLE

TITLE: 2MM DUAL ROW VERTICAL RECEPTACLE, SMT

MOLEX INCORPORATED

DOCUMENT NO.: SDA-79109-XXXX
SHEET NO.: 5 OF 9

SIZE: A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

# PEG OPTION

## SPECIAL PACKAGING (TAPE PACKED WITHOUT CAP)

| | DIM. "A" | | DIM. "B" | | DIM. "C" | | DIM. "D" | | ITEM NO. | PLATING OPTION SEE SHEET 1 |
|---|---|---|---|---|---|---|---|---|---|---|
| CKT. SIZE | INCH | MM | INCH | MM | INCH | MM | INCH | MM | | |
| 50 | 1.890 | (48.00) | 1.976 | (50.19) | 1.811 | (46.00) | .183 | (4.65) | 79109-9103 | 5 |

SEE SHT 4
EC NO: S2016-0112 2015/07/28
DRWN:ATSEE 2015/08/15
CH'KD:CGOH 2015/08/19
APPR:KHLIM
DESCRIPTION
REV
M9

QUALITY SYMBOLS
$F_A$=0
$F_C$=0
$F_P$=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± .010 |
| 2 PLACES | ± 0.25 | ± .015 |
| 1 PLACE | ± 0.38 | ± --- |
| ANGULAR ± 3 ° | | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM
SCALE: NTS
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY: AAB DATE: 1989/05/15
CHECKED BY: MJM DATE: 1989/05/15
APPROVED BY: LBLEE DATE: 2014/08/01

TITLE: 2MM DUAL ROW VERTICAL RECEPTACLE, SMT

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SDA-79109-XXXX
SHEET NO.: 6 OF 9
SIZE: A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

# ASSEMBLIES WITH PEGS
# VOIDED CIRCUIT OPTION

| CKT. SIZE | ASSEMBLY (WITHOUT CAP IN TUBE) ITEM NO. | VOID LOCATION(S) SEE SHEET 1 FOR CONVENTION ROW | CKT. NO.(s) | PLATING OPTION | DIM. "A" INCH | DIM. "A" MM | DIM. "B" INCH | DIM. "B" MM | DIM. "C" INCH | DIM. "C" MM | DIM. "D" INCH | DIM. "D" MM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 48 | 79109-6011 | ROW A | 1, 24 | 5 | 1.811 | (46.00) | 1.897 | (48.19) | 1.732 | (44.00) | .183 | ( 4.65) |
| 44 | 79109-6012 | ROW B | 10 | 5 | 1.654 | (42.00) | 1.740 | (44.19) | 1.575 | (42.00) | .183 | ( 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.

SEE SHT 4
EC NO: S2016-0112 2015/07/28
DRWN:ATSEE 2015/08/15
CH'KD:CGOH
APPR:KHLIM 2015/08/19
DESCRIPTION
REV
M9

QUALITY SYMBOLS
$F_A$=0
$F_C$=0
$F_P$=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± .010 |
| 2 PLACES | ± 0.25 | ± .015 |
| 1 PLACE | ± 0.38 | ± --- |
| ANGULAR ± 3 ° | | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM
SCALE: NTS
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY: AAB DATE: 1989/05/15
CHECKED BY: MJM DATE: 1989/05/15
APPROVED BY: LBLEE DATE: 2014/08/01
MATERIAL NO.: SEE TABLE

TITLE: 2MM DUAL ROW VERTICAL RECEPTACLE, SMT

MOLEX INCORPORATED

DOCUMENT NO.: SDA-79109-XXXX
SHEET NO.: 7 OF 9

SIZE: A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

# SPECIAL - CUSTOM TERMINAL FEET

## PEG OPTION

| CKT. SIZE | DIM. "A" INCH | DIM. "A" MM | DIM. "B" INCH | DIM. "B" MM | DIM. "C" INCH | DIM. "C" MM | DIM. "D" INCH | DIM. "D" MM | PLATING OPTION 5 ITEM NO. TUBE PACKED (WITHOUT CAP) | | ITEM NO. TAPE PACKED (WITH CAP) | | ITEM NO. TUBE PACKED (WITH CAP) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04 | .079 | (2.00) | .165 | (4.19) | - | - | .185 | (4.70) | X | - | X | 79109-8751 | X | - |
| 06 | .157 | (4.00) | .244 | (6.19) | .079 | (2.00) | .185 | (4.70) | X | - | X | 79109-8752 | X | - |
| 08 | .236 | (6.00) | .322 | (8.19) | .157 | (4.00) | .185 | (4.70) | X | - | X | 79109-8753 | X | - |
| 10 | .315 | (8.00) | .401 | (10.19) | .236 | (6.00) | .185 | (4.70) | X | - | X | 79109-8754 | X | - |
| 12 | .394 | (10.00) | .480 | (12.19) | .315 | (8.00) | .185 | (4.70) | X | - | X | 79109-8755 | X | - |
| 14 | .472 | (12.00) | .559 | (14.19) | .394 | (10.00) | .185 | (4.70) | X | - | X | 79109-8756 | X | - |
| 16 | .551 | (14.00) | .637 | (16.19) | .472 | (12.00) | .185 | (4.70) | X | - | X | 79109-8757 | X | - |
| 18 | .630 | (16.00) | .716 | (18.19) | .551 | (14.00) | .185 | (4.70) | X | - | X | 79109-8758 | X | - |
| 20 | .709 | (18.00) | .795 | (20.19) | .630 | (16.00) | .185 | (4.70) | X | - | X | 79109-8759 | X | - |
| 22 | .787 | (20.00) | .874 | (22.19) | .709 | (18.00) | .185 | (4.70) | X | - | X | 79109-8760 | X | - |
| 24 | .866 | (22.00) | .952 | (24.19) | .787 | (20.00) | .185 | (4.70) | X | - | X | 79109-8761 | X | - |
| 26 | .945 | (24.00) | 1.031 | (26.19) | .866 | (22.00) | .185 | (4.70) | X | - | X | 79109-8762 | X | - |
| 28 | 1.024 | (26.00) | 1.110 | (28.19) | .945 | (24.00) | .185 | (4.70) | X | - | X | 79109-8763 | X | - |
| 30 | 1.102 | (28.00) | 1.188 | (30.19) | 1.024 | (26.00) | .185 | (4.70) | | 79109-7010 | | 79109-8764 | X | 79109-7065 |
| 32 | 1.181 | (30.00) | 1.267 | (32.19) | 1.102 | (28.00) | .185 | (4.70) | X | - | X | 79109-8765 | X | - |
| 34 | 1.260 | (32.00) | 1.346 | (34.19) | 1.181 | (30.00) | .185 | (4.70) | X | - | X | 79109-8766 | X | - |
| 36 | 1.338 | (34.00) | 1.425 | (36.19) | 1.260 | (32.00) | .185 | (4.70) | X | - | X | 79109-8767 | X | - |
| 38 | 1.417 | (36.00) | 1.504 | (38.19) | 1.338 | (34.00) | .185 | (4.70) | X | - | X | 79109-8768 | X | - |
| 40 | 1.496 | (38.00) | 1.582 | (40.19) | 1.417 | (36.00) | .185 | (4.70) | X | - | X | 79109-8769 | X | - |
| 42 | 1.575 | (40.00) | 1.661 | (42.19) | 1.496 | (38.00) | .185 | (4.70) | X | - | X | N.A. | X | - |
| 44 | 1.654 | (42.00) | 1.740 | (44.19) | 1.575 | (40.00) | .185 | (4.70) | | 79109-7016 | X | N.A. | X | - |
| 46 | 1.732 | (44.00) | 1.818 | (46.19) | 1.654 | (42.00) | .185 | (4.70) | X | - | X | N.A. | X | - |
| 48 | 1.811 | (46.00) | 1.897 | (48.19) | 1.732 | (44.00) | .185 | (4.70) | X | - | X | N.A. | X | - |
| 50 | 1.890 | (48.00) | 1.976 | (50.19) | 1.811 | (46.00) | .185 | (4.70) | | 79109-7015 | X | N.A. | X | - |

"X" INDICATES TOOLING NOT AVAILABLE

SEE SHT 4
EC NO: S2016-0112 2015/07/28
DRWN:ATSEE 2015/08/15
CH'KD:CGOH
APPR:KHLIM 2015/08/19
DESCRIPTION
REV
M9

QUALITY SYMBOLS
$F_A$=0
$F_C$=0
$F_P$=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± .010 |
| 2 PLACES | ± 0.25 | ± .015 |
| 1 PLACE | ± 0.38 | ± --- |
| ANGULAR ± 3 ° | | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM
SCALE: NTS
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY: AAB DATE: 1989/05/15
CHECKED BY: MJM DATE: 1989/05/15
APPROVED BY: LBLEE DATE: 2014/08/01
MATERIAL NO.: SEE TABLE

TITLE: 2MM DUAL ROW VERTICAL RECEPTACLE, SMT

MOLEX INCORPORATED

DOCUMENT NO.: SDA-79109-XXXX
SHEET NO.: 8 OF 9

SIZE: A3

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# SPECIAL - CUSTOM TERMINAL FEET

## VOIDED CIRCUIT 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) | | INCH | MM | INCH | MM | INCH | MM | INCH | MM | |
| 48 | | 79109-7011 | X | 79109-8385 | ROW A | 1, 24 | 5 | 1.811 | (46.00) | 1.897 | (48.19) | 1.732 | (44.00) | .185 | (4.70) | YES |
| 42 | | 79109-7012 | X | 79109-8386 | ROW A | 1, 21 | 5 | 1.575 | (40.00) | 1.661 | (42.19) | 1.496 | (38.00) | .185 | (4.70) | YES |
| 20 | | 79109-7013 | | 79109-8387 | ROW A | 1, 10 | 5 | .709 | (18.00) | .795 | (20.19) | .630 | (16.00) | .185 | (4.70) | YES |
| 50 | | 79109-7014 | X | 79109-8388 | ROW B | 13 | 5 | 1.890 | (48.00) | 1.976 | (50.19) | 1.811 | (46.00) | .185 | (4.70) | YES |
| 50 | | 79109-7017 | | 79109-8988 | ROW B | 13 | 5 | 1.890 | (48.00) | 1.976 | (50.19) | 1.811 | (46.00) | .185 | (4.70) | NO |

*X* INDICATES TOOLING IS NOT AVAILABLE

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.

SEE SHT 4
EC NO: S2016-0112
DRWN:ATSEE 2015/07/28
CH'KD:CGOH 2015/08/15
APPR:KHLIM 2015/08/19
DESCRIPTION
REV
M9

QUALITY SYMBOLS
FA=0
FC=0
FP=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± .010 |
| 2 PLACES | ± 0.25 | ± .015 |
| 1 PLACE | ± 0.38 | ± --- |
| ANGULAR ± 3 ° | | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM
SCALE: NTS
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY: AAB DATE: 1989/05/15
CHECKED BY: MJM DATE: 1989/05/15
APPROVED BY: LBLEE DATE: 2014/08/01
MATERIAL NO.: SEE TABLE

TITLE: 2MM DUAL ROW VERTICAL RECEPTACLE, SMT

MOLEX INCORPORATED

DOCUMENT NO.: SDA-79109-XXXX
SHEET NO.: 9 OF 9
SIZE: A3

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