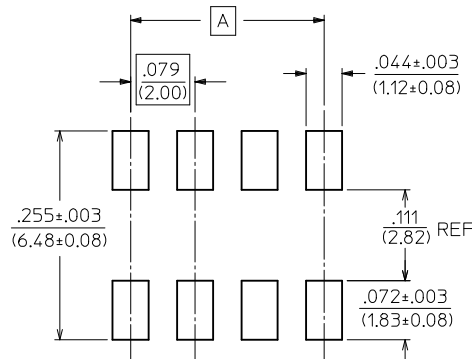
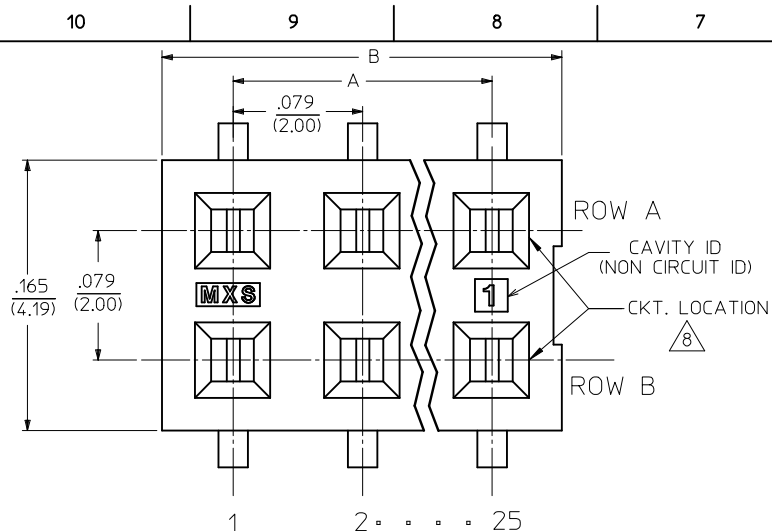
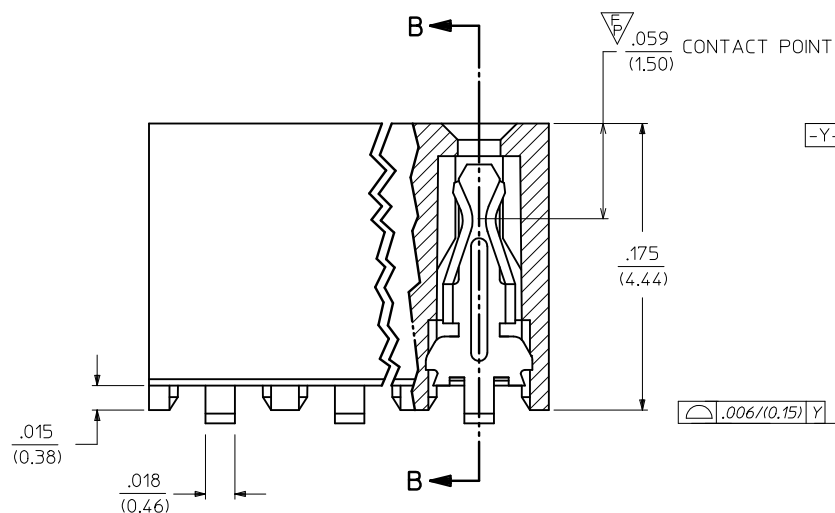
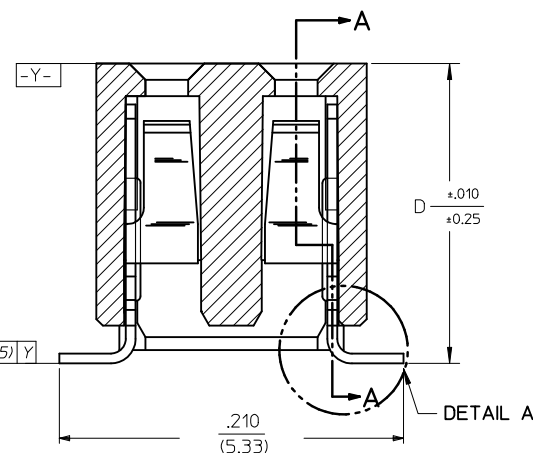




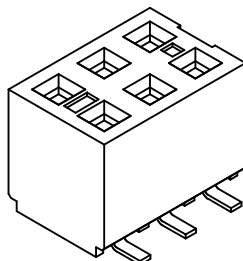
RECOMMENDED PCB PAD LAYOUT



SECTION A-A



SECTION B-B

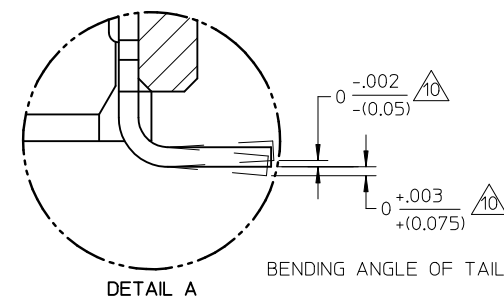


## NOTES:

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

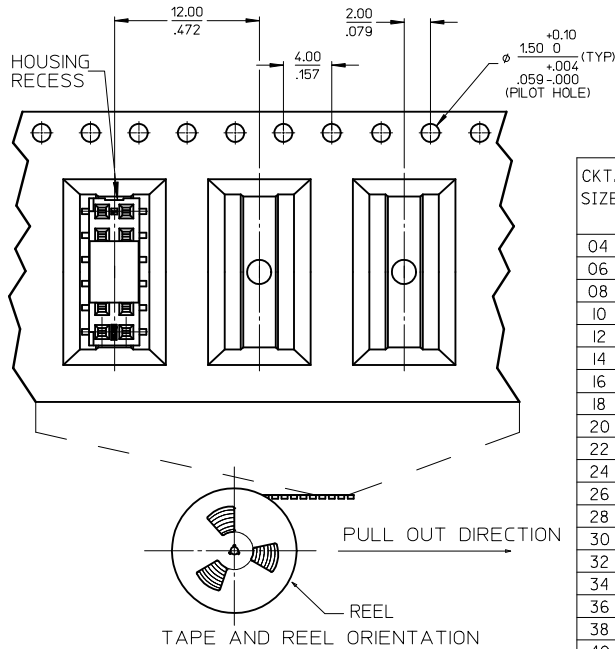
## PLATING OPTION:

- 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.
- 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.
- 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.



| REMOVE OPTIONS    |  | QUALITY SYMBOLS   |  | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE |  | SCALE        |  | DESIGN UNITS |  | THIRD ANGLE PROJECTION |  |
|-------------------|--|-------------------|--|---------------------------------------|--|-----------------|--|--------------|--|--------------|--|------------------------|--|
| EC NO: S2011-0343 |  | F <sub>A</sub> =0 |  | mm                                    |  | IN/MM           |  | NTS          |  | INCH         |  |                        |  |
| DRWN:SKANG        |  | F <sub>B</sub> =0 |  | 3 PLACES ± ---                        |  | DATE            |  | DATE         |  | DATE         |  | DATE                   |  |
| CHKD:ATSEE        |  | F <sub>P</sub> =1 |  | 2 PLACES ± 0.25                       |  | 1989/05/15      |  | 1989/05/15   |  | 1989/05/15   |  | 1989/05/15             |  |
| APPR:MLONG        |  |                   |  | 1 PLACE ± 0.38                        |  | DATE            |  | DATE         |  | DATE         |  | DATE                   |  |
|                   |  |                   |  | ANGULAR ± 3 °                         |  | 2010/02/18      |  |              |  |              |  |                        |  |
|                   |  |                   |  | DRAFT WHERE APPLICABLE                |  | MATERIAL NO.    |  | DOCUMENT NO. |  |              |  |                        |  |
|                   |  |                   |  | MUST REMAIN WITHIN DIMENSIONS         |  | SEE TABLE       |  |              |  |              |  |                        |  |
|                   |  |                   |  |                                       |  | SIZE            |  |              |  |              |  |                        |  |
|                   |  |                   |  |                                       |  | A3              |  |              |  |              |  |                        |  |
|                   |  |                   |  |                                       |  |                 |  |              |  |              |  |                        |  |

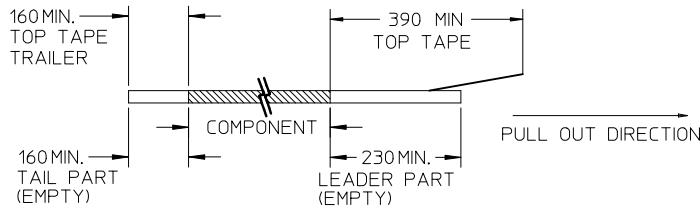
# WITHOUT PEG OPTION



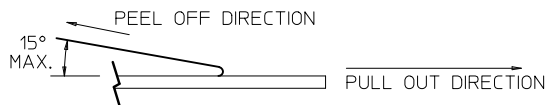
| CKT. SIZE | DIM. "A" |         | DIM. "B" |         | DIM. "D" |        | PLATING OPTION 5                   |                                 | PLATING OPTION 4                   |                                 | PLATING OPTION 6                   |                                 |
|-----------|----------|---------|----------|---------|----------|--------|------------------------------------|---------------------------------|------------------------------------|---------------------------------|------------------------------------|---------------------------------|
|           | 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) | 79109-1001                         | 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                      |

## 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

\*X\* INDICATES TOOLING NOT AVAILABLE

## SPECIAL PACKAGING (TAPE PACKED WITHOUT CAP)

| CKT. SIZE | DIM. "A" |         | DIM. "B" |         | DIM. "D" |        | ITEM NO.   | PLATING OPTION SEE SHEET I |
|-----------|----------|---------|----------|---------|----------|--------|------------|----------------------------|
|           | INCH     | MM      | INCH     | MM      | INCH     | MM     |            |                            |
| 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<br>EC NO: S2011-0343<br>DRWN:SKANG<br>CHKD:ATSEE<br>APPR:MLONG<br>2010/11/29<br>2010/12/03 | DESCRIPTION | QUALITY SYMBOLS<br><div>F<sub>A</sub>=0</div> <div>F<sub>C</sub>=0</div> <div>F<sub>P</sub>=0</div> | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                         |        | DIMENSION STYLE |             | SCALE          | DESIGN UNITS                                      | THIRD ANGLE PROJECTION |  |  |  |
|                                                                                                           |             |                                                                                                     |                                                                                                                               |        | IN/MM           |             | NTS            | INCH                                              |                        |  |  |  |
|                                                                                                           |             |                                                                                                     |                                                                                                                               | mm     | INCH            | DRAWN BY    | DATE           | TITLE<br>2MM DUAL ROW<br>VERTICAL RECEPTACLE, SMT |                        |  |  |  |
|                                                                                                           |             |                                                                                                     | 4 PLACES                                                                                                                      | ± ---  | ± ---           | AAB         | 1989/05/15     |                                                   |                        |  |  |  |
|                                                                                                           |             |                                                                                                     | 3 PLACES                                                                                                                      | ± ---  | ± .010          | CHECKED BY  | DATE           |                                                   |                        |  |  |  |
|                                                                                                           |             |                                                                                                     | 2 PLACES                                                                                                                      | ± 0.25 | ± .015          | MJM         | 1989/05/15     | MOLEX MOLEX INCORPORATED                          |                        |  |  |  |
|                                                                                                           |             |                                                                                                     | 1 PLACE                                                                                                                       | ± 0.38 | ± ---           | APPROVED BY | DATE           |                                                   |                        |  |  |  |
|                                                                                                           |             |                                                                                                     | ANGULAR ± 3 °                                                                                                                 |        | MLONG           | 2010/02/18  |                |                                                   |                        |  |  |  |
|                                                                                                           |             |                                                                                                     | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                    |        | MATERIAL NO.    |             | DOCUMENT NO.   |                                                   | SHEET NO.              |  |  |  |
|                                                                                                           |             |                                                                                                     |                                                                                                                               |        | SEE TABLE       |             | SDA-79109-**** |                                                   | 2 OF 9                 |  |  |  |
| M7                                                                                                        | REV         |                                                                                                     | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |        |                 |             |                |                                                   |                        |  |  |  |

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# ASSEMBLIES WITHOUT PEGS

## VOIDED CIRCUIT OPTION

| CKT.<br>SIZE | ASSEMBLY<br>(WITHOUT CAP IN TUBE) | VOID LOCATION(S)<br>SEE SHEET 1 FOR CONVENTION |             | PLATING OPTION | DIM. "A" |         | DIM. "B" |         | DIM. "D" |         |
|--------------|-----------------------------------|------------------------------------------------|-------------|----------------|----------|---------|----------|---------|----------|---------|
|              | PART NUMBER                       | ROW                                            | CKT. NO.(s) |                | INCH     | MM      | INCH     | MM      | INCH     | 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<br>SIZE | ASSEMBLY<br>(WITH CAP IN T&R) | VOID LOCATION(S)<br>SEE SHEET 1 FOR CONVENTION |         | PLATING OPTION | DIM A |         | DIM B |         | DIM D |        |
|-------------|-------------------------------|------------------------------------------------|---------|----------------|-------|---------|-------|---------|-------|--------|
|             | PART NUMBER                   | ROW                                            | CKT NO. |                | INCH  | MM      | INCH  | MM      | INCH  | 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<br>EC NO: S2011-0343<br>DRWN:SKANG<br>CH'KD:ATSEE<br>APPR:MLONG<br>2010/11/29<br>2010/12/03 | DESCRIPTION | QUALITY SYMBOLS<br><div>F<sub>A</sub>=0</div> <div>F<sub>G</sub>=0</div> <div>F<sub>P</sub>=0</div> | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                         |        | DIMENSION STYLE<br>IN/MM |                      | SCALE<br>NTS       | DESIGN UNITS<br>INCH                              | THIRD ANGLE PROJECTION |  |              |                          |  |  |  |           |  |  |  |  |
|                                                                                                            |             |                                                                                                     |                                                                                                                               | mm     | INCH                     | DRAWN BY<br>AAB      | DATE<br>1989/05/15 | TITLE<br>2MM DUAL ROW<br>VERTICAL RECEPTACLE, SMT |                        |  |              |                          |  |  |  |           |  |  |  |  |
|                                                                                                            |             |                                                                                                     | 4 PLACES                                                                                                                      | ± ---  | ± ---                    | CHECKED BY<br>MJM    | DATE<br>1989/05/15 |                                                   |                        |  |              |                          |  |  |  |           |  |  |  |  |
|                                                                                                            |             |                                                                                                     | 3 PLACES                                                                                                                      | ± ---  | ± .010                   | APPROVED BY<br>MLONG |                    |                                                   | DATE<br>2010/02/18     |  |              | MOLEX MOLEX INCORPORATED |  |  |  |           |  |  |  |  |
|                                                                                                            |             |                                                                                                     | 2 PLACES                                                                                                                      | ± 0.25 | ± .015                   |                      |                    |                                                   |                        |  |              |                          |  |  |  |           |  |  |  |  |
| 1 PLACE                                                                                                    | ± 0.38      | ± ---                                                                                               | ANGULAR ± 3 °                                                                                                                 |        |                          | MATERIAL NO.         |                    |                                                   |                        |  | DOCUMENT NO. |                          |  |  |  | SHEET NO. |  |  |  |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                 |             |                                                                                                     | SEE TABLE                                                                                                                     |        |                          | SDA-79109-****       |                    |                                                   |                        |  | 4 OF 9       |                          |  |  |  |           |  |  |  |  |
| M7                                                                                                         | REV         |                                                                                                     | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |        |                          |                      |                    |                                                   |                        |  |              |                          |  |  |  |           |  |  |  |  |

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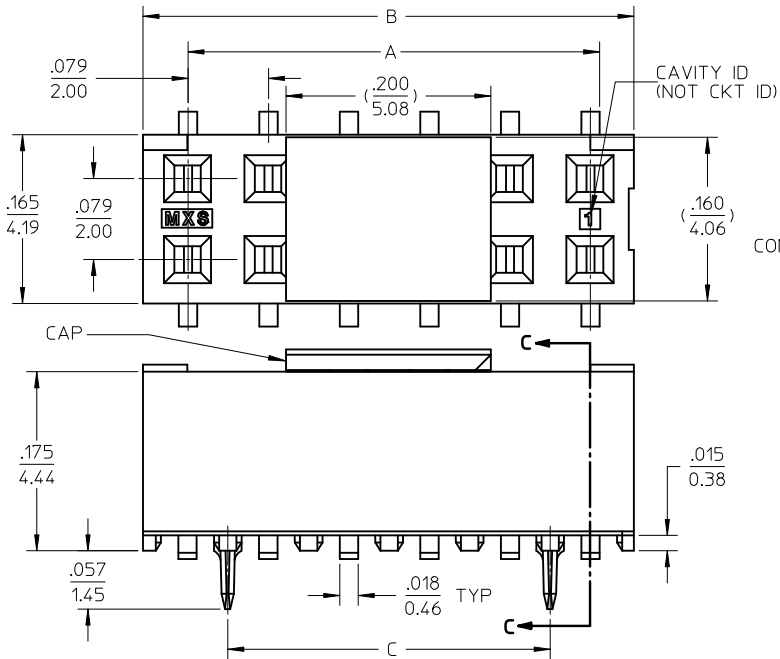
4

3

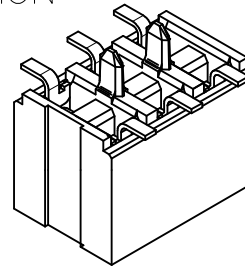
2

1

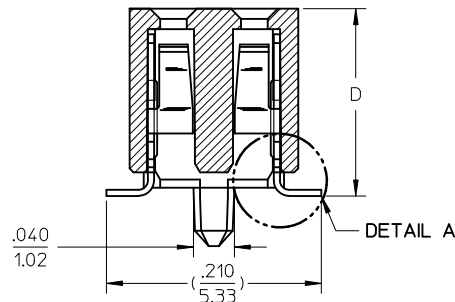
# PEG OPTION



CONNECTOR WITH CAP



## SECTION C-C

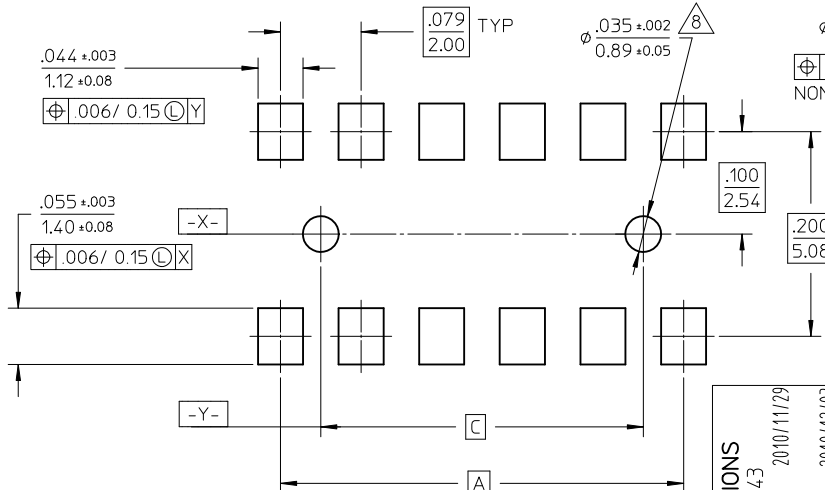
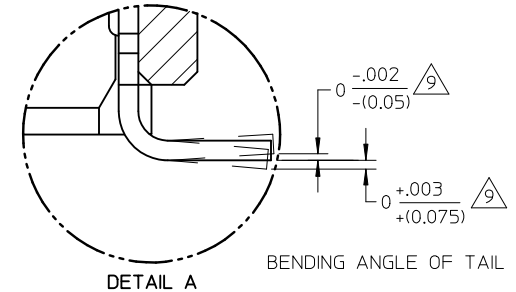


## PLATING OPTION:

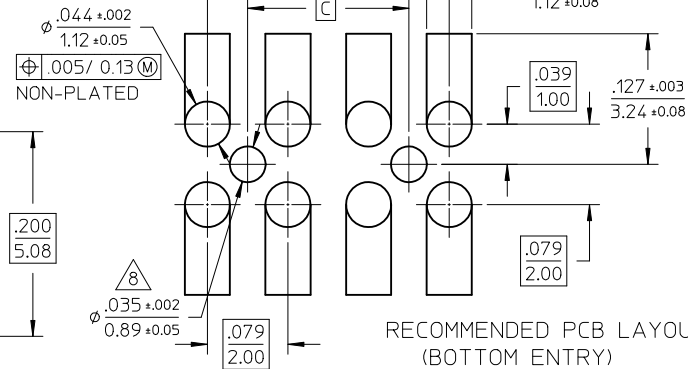
- (4) 30uIn (0.75um) MIN. GOLD PLATE IN SELECTED AREA AND 75uIn (1.88um) MIN. TIN IN SELECTED AREA OVER 50uIn (1.25um) MIN. NICKEL OVER-ALL.
- (5) 15uIn (0.38um) MIN. GOLD PLATE IN SELECTED AREA AND 75uIn (1.88um) MIN. TIN IN SELECTED AREA OVER 50uIn (1.25um) MIN. NICKEL OVER-ALL.
- (6) 5uIn (0.13um) 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 |            | QUALITY SYMBOLS |     | GENERAL TOLERANCES (UNLESS SPECIFIED) |        | DIMENSION STYLE                                                                                                               |            | SCALE |      | DESIGN UNITS |      | THIRD ANGLE PROJECTION |      |
|----------------|------------|-----------------|-----|---------------------------------------|--------|-------------------------------------------------------------------------------------------------------------------------------|------------|-------|------|--------------|------|------------------------|------|
| EC NO:         | DATE       | DESCRIPTION     | REV | mm                                    | INCH   | DRAWN BY                                                                                                                      | DATE       | NTS   | INCH | INCH         | INCH | INCH                   | INCH |
| S2011-0343     | 2010/11/29 | DRWN:SKANG      |     | 4 PLACES                              | ± ---  | AAB                                                                                                                           | 1989/05/15 |       |      |              |      |                        |      |
| CHYD:ATSEE     |            |                 |     | 3 PLACES                              | ± ---  |                                                                                                                               |            |       |      |              |      |                        |      |
| APPR:MLONG     | 2010/12/03 |                 |     | 2 PLACES                              | ± 0.25 | MJM                                                                                                                           | 1989/05/15 |       |      |              |      |                        |      |
|                |            |                 |     | 1 PLACE                               | ± 0.38 |                                                                                                                               |            |       |      |              |      |                        |      |
|                |            |                 |     | ANGULAR ± 3 °                         |        | APPROVED BY                                                                                                                   | DATE       |       |      |              |      |                        |      |
|                |            |                 |     |                                       |        | MLONG                                                                                                                         | 2010/02/18 |       |      |              |      |                        |      |
|                |            |                 |     |                                       |        | MATERIAL NO.                                                                                                                  |            |       |      |              |      |                        |      |
|                |            |                 |     |                                       |        | SEE TABLE                                                                                                                     |            |       |      |              |      |                        |      |
|                |            |                 |     |                                       |        | SIZE                                                                                                                          |            |       |      |              |      |                        |      |
|                |            |                 |     |                                       |        | A3                                                                                                                            |            |       |      |              |      |                        |      |
|                |            |                 |     |                                       |        | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |            |       |      |              |      |                        |      |

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## PEG OPTION

| CKT.<br>SIZE | DIM. "A" |         | DIM. "B" |         | DIM. "C" |         | DIM. "D" |        | PLATING OPTION 5                         |                                       | PLATING OPTION 4                         |                                       | PLATING OPTION 6                         |                                       |
|--------------|----------|---------|----------|---------|----------|---------|----------|--------|------------------------------------------|---------------------------------------|------------------------------------------|---------------------------------------|------------------------------------------|---------------------------------------|
|              | INCH     | MM      | INCH     | MM      | INCH     | MM      | INCH     | MM     | ITEM NO.<br>TUBE PACKED<br>(WITHOUT CAP) | ITEM NO.<br>TAPE PACKED<br>(WITH CAP) | ITEM NO.<br>TUBE PACKED<br>(WITHOUT CAP) | ITEM NO.<br>TAPE PACKED<br>(WITH CAP) | ITEM NO.<br>TUBE PACKED<br>(WITHOUT CAP) | ITEM NO.<br>TAPE PACKED<br>(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<br>EC NO: S2011-0343<br>DRWN:SKANG<br>CHKD:ATSEE<br>APPR:MLONG<br>2010/11/29<br>2010/12/03 | DESCRIPTION<br>REV | QUALITY SYMBOLS<br>$\nabla_A=0$<br>$\nabla_B=0$<br>$\nabla_P=0$ | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |            | DIMENSION STYLE<br>IN/MM |                      | SCALE<br>NTS                                                                                                                  | DESIGN UNITS<br>INCH                           | THIRD ANGLE PROJECTION |  |  |  |
|                                                                                                           |                    |                                                                 | 4 PLACES                                                   | $\pm$ ---  | $\pm$ ---                | DRAWN BY<br>AAB      | DATE<br>1989/05/15                                                                                                            | TITLE<br>2MM DUAL ROW VERTICAL RECEPTACLE, SMT |                        |  |  |  |
|                                                                                                           |                    |                                                                 | 3 PLACES                                                   | $\pm$ ---  | $\pm$ .010               | CHECKED BY<br>MJM    | DATE<br>1989/05/15                                                                                                            | MOLEX INCORPORATED                             |                        |  |  |  |
|                                                                                                           |                    |                                                                 | 2 PLACES                                                   | $\pm$ 0.25 | $\pm$ .015               | APPROVED BY<br>MLONG | DATE<br>2010/02/18                                                                                                            | DOCUMENT NO.<br>SDA-79109-****                 |                        |  |  |  |
| M7                                                                                                        | REV                |                                                                 | 1 PLACE                                                    |            | $\pm$ 0.38               | ANGULAR $\pm$ 3 °    |                                                                                                                               | SHEET NO.<br>6 OF 9                            |                        |  |  |  |
|                                                                                                           |                    |                                                                 | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |            | SEE TABLE                |                      | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                |                        |  |  |  |

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PEG OPTION

SPECIAL PACKAGING (TAPE PACKED WITHOUT CAP)

| CKT.<br>SIZE | DIM. "A" |         | DIM. "B" |         | DIM. "C" |         | DIM. "D" |        | ITEM NO.   | PLATING<br>OPTION<br>SEE SHEET 1 |
|--------------|----------|---------|----------|---------|----------|---------|----------|--------|------------|----------------------------------|
|              | 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<br>EC NO: S2011-0343<br>DRWN:SKANG<br>CHKD:ATSEE<br>APPR:MLONG<br>M7                                              | DESCRIPTION<br>2010/11/29<br>2010/12/03 | QUALITY<br>SYMBOLS<br><div>F<sub>A</sub>=0</div> <div>F<sub>C</sub>=0</div> <div>F<sub>P</sub>=0</div> | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |  |               | DIMENSION STYLE<br>IN/MM |                 | SCALE<br>NTS | DESIGN UNITS<br>INCH | THIRD ANGLE<br>PROJECTION |                                                   |                     |  |
|                                                                                                                                  |                                         |                                                                                                        | mm                                                         |  | INCH          |                          | DRAWN BY<br>AAB |              | DATE<br>1989/05/15   |                           | TITLE<br>2MM DUAL ROW<br>VERTICAL RECEPTACLE, SMT |                     |  |
|                                                                                                                                  |                                         |                                                                                                        | 4 PLACES                                                   |  | ± --- ± ---   |                          | CHECKED BY      |              | DATE                 |                           |                                                   |                     |  |
|                                                                                                                                  |                                         |                                                                                                        | 3 PLACES                                                   |  | ± --- ± .010  |                          | MJM             |              | 1989/05/15           |                           |                                                   |                     |  |
|                                                                                                                                  |                                         |                                                                                                        | 2 PLACES                                                   |  | ± 0.25 ± .015 |                          | APPROVED BY     |              | DATE                 |                           |                                                   |                     |  |
|                                                                                                                                  |                                         |                                                                                                        | 1 PLACE                                                    |  | ± 0.38 ± ---  |                          | MLONG           |              | 2010/02/18           |                           | MOLEX INCORPORATED                                |                     |  |
|                                                                                                                                  |                                         |                                                                                                        | ANGULAR ± 3 °                                              |  |               |                          |                 | MATERIAL NO. |                      | DOCUMENT NO.              |                                                   | SHEET NO.<br>7 OF 9 |  |
|                                                                                                                                  |                                         |                                                                                                        | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |  |               |                          |                 | SEE TABLE    |                      | SDA-79109-****            |                                                   |                     |  |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                         |                                                                                                        |                                                            |  |               |                          |                 |              |                      |                           |                                                   |                     |  |

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ASSEMBLIES WITH PEGS

VOIDED CIRCUIT OPTION

| CKT. SIZE | ASSEMBLY<br>(WITHOUT CAP IN TUBE) | VOID LOCATION(S)<br>SEE SHEET 1 FOR CONVENTION |             | PLATING OPTION | DIM. "A" |         | DIM. "B" |         | DIM. "C" |         | DIM. "D" |         |
|-----------|-----------------------------------|------------------------------------------------|-------------|----------------|----------|---------|----------|---------|----------|---------|----------|---------|
|           | ITEM NO.                          | ROW                                            | CKT. NO.(s) |                | INCH     | MM      | INCH     | MM      | INCH     | MM      | INCH     | 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.

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## SPECIAL - CUSTOM TERMINAL FEET

## PEG OPTION

| CKT.<br>SIZE | DIM. "A" |         | DIM. "B" |         | DIM. "C" |         | DIM. "D" |        | PLATING OPTION 5                         |                                       |                                       |
|--------------|----------|---------|----------|---------|----------|---------|----------|--------|------------------------------------------|---------------------------------------|---------------------------------------|
|              | INCH     | MM      | INCH     | MM      | INCH     | MM      | INCH     | MM     | ITEM NO.<br>TUBE PACKED<br>(WITHOUT CAP) | ITEM NO.<br>TAPE PACKED<br>(WITH CAP) | ITEM NO.<br>TUBE PACKED<br>(WITH CAP) |
| 04           | .079     | (2.00)  | .165     | (4.19)  | -        | -       | .185     | (4.70) | X                                        | -                                     | X 79109-8751                          |
| 06           | .157     | (4.00)  | .244     | (6.19)  | .079     | (2.00)  | .185     | (4.70) | X                                        | -                                     | X 79109-8752                          |
| 08           | .236     | (6.00)  | .322     | (8.19)  | .157     | (4.00)  | .185     | (4.70) | X                                        | -                                     | X 79109-8753                          |
| 10           | .315     | (8.00)  | .401     | (10.19) | .236     | (6.00)  | .185     | (4.70) | X                                        | -                                     | X 79109-8754                          |
| 12           | .394     | (10.00) | .480     | (12.19) | .315     | (8.00)  | .185     | (4.70) | X                                        | -                                     | X 79109-8755                          |
| 14           | .472     | (12.00) | .559     | (14.19) | .394     | (10.00) | .185     | (4.70) | X                                        | -                                     | X 79109-8756                          |
| 16           | .551     | (14.00) | .637     | (16.19) | .472     | (12.00) | .185     | (4.70) | X                                        | -                                     | X 79109-8757                          |
| 18           | .630     | (16.00) | .716     | (18.19) | .551     | (14.00) | .185     | (4.70) | X                                        | -                                     | X 79109-8758                          |
| 20           | .709     | (18.00) | .795     | (20.19) | .630     | (16.00) | .185     | (4.70) | X                                        | -                                     | X 79109-8759                          |
| 22           | .787     | (20.00) | .874     | (22.19) | .709     | (18.00) | .185     | (4.70) | X                                        | -                                     | X 79109-8760                          |
| 24           | .866     | (22.00) | .952     | (24.19) | .787     | (20.00) | .185     | (4.70) | X                                        | -                                     | X 79109-8761                          |
| 26           | .945     | (24.00) | 1.031    | (26.19) | .866     | (22.00) | .185     | (4.70) | X                                        | -                                     | X 79109-8762                          |
| 28           | 1.024    | (26.00) | 1.110    | (28.19) | .945     | (24.00) | .185     | (4.70) | X                                        | -                                     | X 79109-8763                          |
| 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                          |
| 34           | 1.260    | (32.00) | 1.346    | (34.19) | 1.181    | (30.00) | .185     | (4.70) | X                                        | -                                     | X 79109-8766                          |
| 36           | 1.338    | (34.00) | 1.425    | (36.19) | 1.260    | (32.00) | .185     | (4.70) | X                                        | -                                     | X 79109-8767                          |
| 38           | 1.417    | (36.00) | 1.504    | (38.19) | 1.338    | (34.00) | .185     | (4.70) | X                                        | -                                     | X 79109-8768                          |
| 40           | 1.496    | (38.00) | 1.582    | (40.19) | 1.417    | (36.00) | .185     | (4.70) | X                                        | -                                     | X 79109-8769                          |
| 42           | 1.575    | (40.00) | 1.661    | (42.19) | 1.496    | (38.00) | .185     | (4.70) | X                                        | -                                     | X N.A.                                |
| 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.                                |
| 48           | 1.811    | (46.00) | 1.897    | (48.19) | 1.732    | (44.00) | .185     | (4.70) | X                                        | -                                     | X N.A.                                |
| 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<br>EC NO: S2011-0343<br>DRWN:SKANG<br>CHKD:ATSEE<br>APPR:MLONG<br>REV<br>M7 | DESCRIPTION<br>2010/11/29<br>2010/12/03 | QUALITY<br>SYMBOLS<br><div><div><div>▽</div><div>=0</div></div><div><div>▽</div><div>=0</div></div><div><div>▽</div><div>=0</div></div></div> | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |          | DIMENSION STYLE<br>IN/MM                                   |                           | SCALE<br>NTS       | DESIGN UNITS<br>INCH                                                                                                             | <div><div></div><div></div></div> THIRD ANGLE<br>PROJECTION | TITLE<br>2MM DUAL ROW<br>VERTICAL RECEPTACLE, SMT<br><div><div><div></div><div>MOLEX</div></div>MOLEX INCORPORATED</div> |
|                                                                                            |                                         |                                                                                                                                               | 4 PLACES                                 | ± ---    | ± ---                                                      | DRAWN BY<br>AAB           | DATE<br>1989/05/15 | DATE<br>1989/05/15                                                                                                               |                                                             |                                                                                                                          |
|                                                                                            |                                         |                                                                                                                                               |                                          | 3 PLACES | ± ---                                                      | ± .010                    | CHECKED BY<br>MJM  |                                                                                                                                  |                                                             |                                                                                                                          |
|                                                                                            |                                         |                                                                                                                                               | 2 PLACES                                 | ± 0.25   | ± .015                                                     | APPROVED BY<br>MLONG      | DATE<br>2010/02/18 | DOCUMENT NO.<br>SDA-79109-****                                                                                                   | SHEET NO.<br>9 OF 9                                         |                                                                                                                          |
|                                                                                            |                                         |                                                                                                                                               | 1 PLACE                                  | ± 0.38   | ± ---                                                      | MATERIAL NO.<br>SEE TABLE |                    | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                             |                                                                                                                          |
|                                                                                            |                                         |                                                                                                                                               | ANGULAR ± 3 °                            |          | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                           |                    |                                                                                                                                  |                                                             |                                                                                                                          |

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SPECIAL - CUSTOM TERMINAL FEET

VOIDED CIRCUIT OPTION

| CKT.<br>SIZE | ASSEMBLY                                 |                                       | VOID LOCATION(S)<br>SEE SHEET 1 FOR CONVENTION |             | PLATING OPTION | DIM. "A" |         | DIM. "B" |         | DIM. "C" |         | DIM. "D" |        | PEG OPTION |
|--------------|------------------------------------------|---------------------------------------|------------------------------------------------|-------------|----------------|----------|---------|----------|---------|----------|---------|----------|--------|------------|
|              | ITEM NO.<br>TUBE PACKED<br>(WITHOUT CAP) | ITEM NO.<br>TAPE PACKED<br>(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  
DRWN:SKANG  
CHKD:ATSEE  
APPR:MLONG

2010/11/29  
2010/12/03

DESCRIPTION  
REV

QUALITY SYMBOLS  
F<sub>A</sub>=0  
F<sub>C</sub>=0  
F<sub>P</sub>=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  
DRAWN BY  
AAB  
CHECKED BY  
MJM  
APPROVED BY  
MLONG  
MATERIAL NO.  
SEE TABLE  
SIZE  
A3

DATE  
1989/05/15  
1989/05/15  
2010/02/18

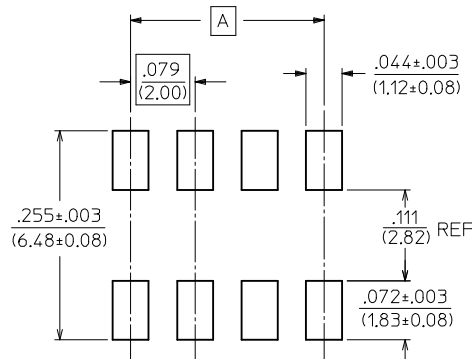
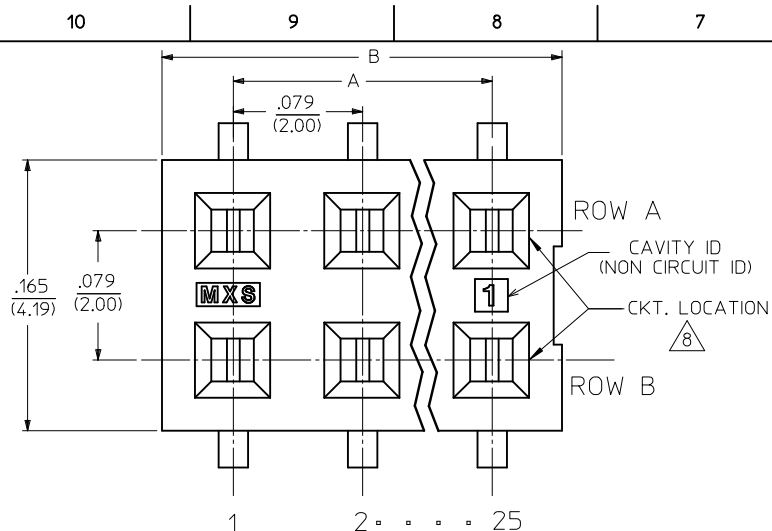
SCALE  
NTS  
DESIGN UNITS  
INCH  
THIRD ANGLE PROJECTION

TITLE  
2MM DUAL ROW  
VERTICAL RECEPTACLE, SMT  
MOLEX INCORPORATED  
DOCUMENT NO.  
SDA-79109-\*\*\*\*  
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

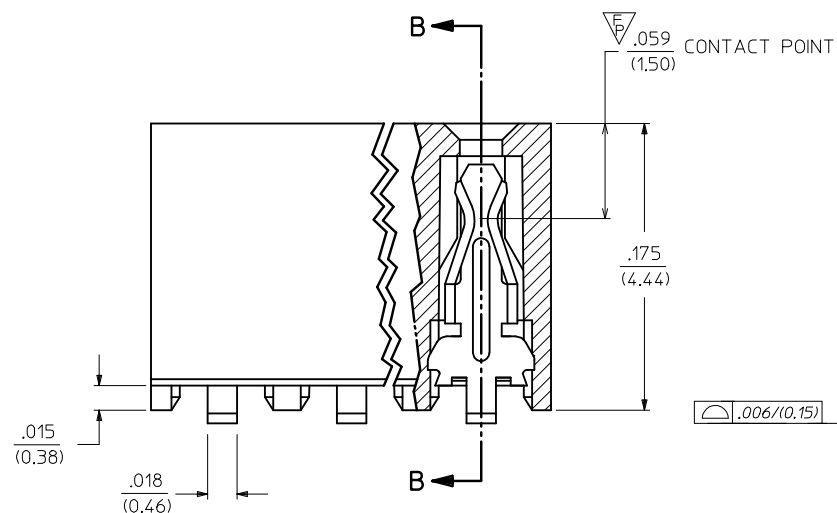
SHEET NO.  
9 OF 9

tb\_frame\_A3\_P\_AM\_T  
Rev. F 2009/06/18

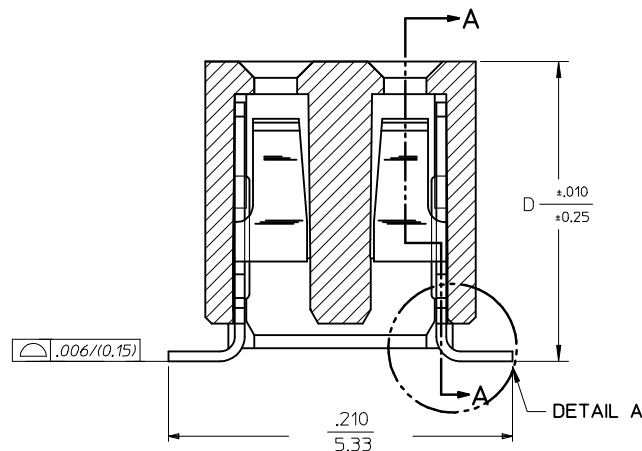
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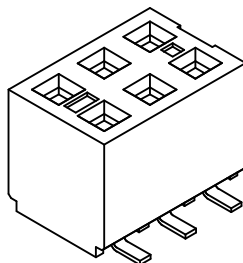
RECOMMENDED PCB PAD LAYOUT



SECTION A-A



SECTION B-B

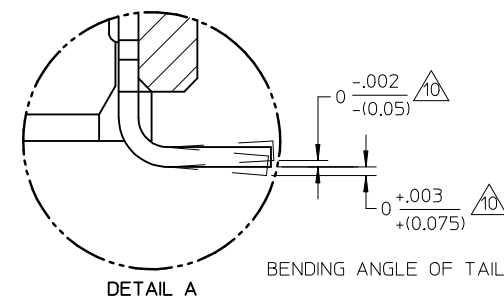


## NOTES:

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

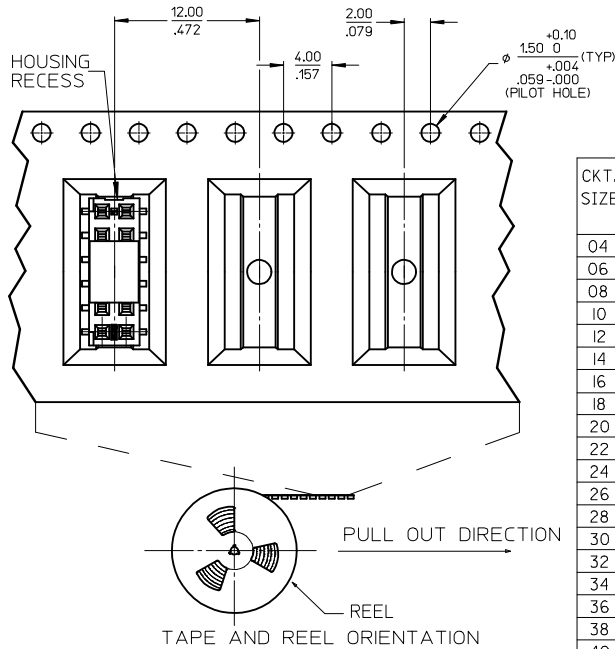
## PLATING OPTION:

- 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.
- 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.
- 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.



| REMOVE DATUM Y    |  | QUALITY SYMBOLS   |  | GENERAL TOLERANCES (UNLESS SPECIFIED)                |  | DIMENSION STYLE |  | SCALE      |  | DESIGN UNITS                                                                                                                  |  | THIRD ANGLE PROJECTION |  |
|-------------------|--|-------------------|--|------------------------------------------------------|--|-----------------|--|------------|--|-------------------------------------------------------------------------------------------------------------------------------|--|------------------------|--|
| EC NO: S2016-0112 |  | DESCRIPTION       |  | mm                                                   |  | IN/MM           |  | NTS        |  | INCH                                                                                                                          |  | PROJECTION             |  |
| 2015/07/28        |  | F <sub>A</sub> =0 |  | 4 PLACES ± ---                                       |  | DRAWN BY        |  | DATE       |  | TITLE                                                                                                                         |  | 2MM DUAL ROW           |  |
| 2015/08/15        |  | F <sub>B</sub> =0 |  | 3 PLACES ± ---                                       |  | AAB             |  | 1989/05/15 |  | VERTICAL RECEPTACLE, SMT                                                                                                      |  | MOLEX INCORPORATED     |  |
| 2015/08/19        |  | F <sub>C</sub> =1 |  | 2 PLACES ± 0.25                                      |  | CHECKED BY      |  | DATE       |  | DOCUMENT NO.                                                                                                                  |  | SDA-79109-XXXX         |  |
| M9                |  |                   |  | 1 PLACE ± 0.38                                       |  | APPROVED BY     |  | DATE       |  | SHEET NO.                                                                                                                     |  | 1 OF 9                 |  |
|                   |  |                   |  | ANGULAR ± 3 °                                        |  | LBLEE           |  | 2014/08/01 |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                        |  |
|                   |  |                   |  | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |  | SIZE            |  | A3         |  |                                                                                                                               |  |                        |  |

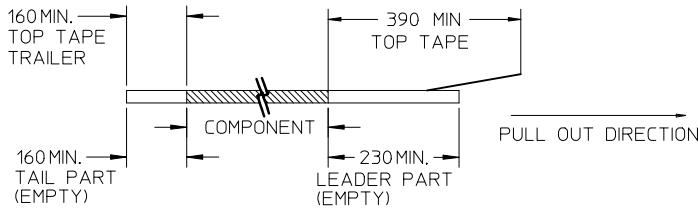
# WITHOUT PEG OPTION



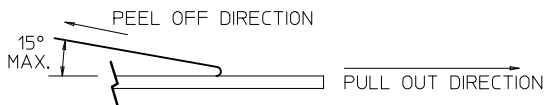
| CKT. SIZE | DIM. "A" |         | DIM. "B" |         | DIM. "D" |        | PLATING OPTION 5                   |                                 | PLATING OPTION 4                   |                                 | PLATING OPTION 6                   |                                 |
|-----------|----------|---------|----------|---------|----------|--------|------------------------------------|---------------------------------|------------------------------------|---------------------------------|------------------------------------|---------------------------------|
|           | 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) | 79109-1001                         | 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                      |

## 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

\*X\* INDICATES TOOLING NOT AVAILABLE

## SPECIAL PACKAGING (TAPE PACKED WITHOUT CAP)

| CKT. SIZE | DIM. "A" |         | DIM. "B" |         | DIM. "D" |        | ITEM NO.   | PLATING OPTION<br>SEE SHEET I |
|-----------|----------|---------|----------|---------|----------|--------|------------|-------------------------------|
|           | INCH     | MM      | INCH     | MM      | INCH     | MM     |            |                               |
| 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<br>EC NO: S2016-0112<br>DRAWN: ASEE<br>CHKD: CGH<br>APPR: KHLIM<br>M9 | DESCRIPTION | QUALITY SYMBOLS<br><div>F<sub>A</sub>=0</div> <div>F<sub>G</sub>=0</div> <div>F<sub>P</sub>=0</div> | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |        | DIMENSION STYLE<br>IN/MM |                                                                                                                               | SCALE<br>NTS | DESIGN UNITS<br>INCH                              | THIRD ANGLE<br>PROJECTION |           |  |  |
|                                                                                 |             |                                                                                                     |                                                            | mm     | INCH                     | DRAWN BY                                                                                                                      | DATE         | TITLE<br>2MM DUAL ROW<br>VERTICAL RECEPTACLE, SMT |                           |           |  |  |
|                                                                                 |             |                                                                                                     | 4 PLACES                                                   | ± ---  | ± ---                    | AAB                                                                                                                           | 1989/05/15   |                                                   |                           |           |  |  |
|                                                                                 |             |                                                                                                     | 3 PLACES                                                   | ± ---  | ± .010                   | CHECKED BY                                                                                                                    | DATE         |                                                   |                           |           |  |  |
|                                                                                 |             |                                                                                                     | 2 PLACES                                                   | ± 0.25 | ± .015                   | MJM                                                                                                                           | 1989/05/15   | MOLEX MOLEX INCORPORATED                          |                           |           |  |  |
|                                                                                 |             |                                                                                                     | 1 PLACE                                                    | ± 0.38 | ± ---                    | APPROVED BY                                                                                                                   | DATE         |                                                   |                           |           |  |  |
|                                                                                 |             |                                                                                                     | ANGULAR ± 3 °                                              |        | LBLEE                    | 2014/08/01                                                                                                                    |              |                                                   |                           |           |  |  |
|                                                                                 |             |                                                                                                     | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |        |                          | MATERIAL NO.                                                                                                                  |              | DOCUMENT NO.                                      |                           | SHEET NO. |  |  |
|                                                                                 |             |                                                                                                     |                                                            |        |                          | SEE TABLE                                                                                                                     |              | SDA-79109-XXXX                                    |                           | 2 OF 9    |  |  |
|                                                                                 |             |                                                                                                     |                                                            |        |                          | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |              |                                                   |                           |           |  |  |

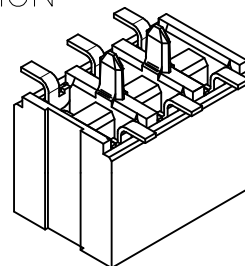
# ASSEMBLIES WITHOUT PEGS VOIDED CIRCUIT OPTION

| CKT. SIZE | ASSEMBLY<br>(WITHOUT CAP IN TUBE) | VOID LOCATION(S)<br>SEE SHEET 1 FOR CONVENTION |             | PLATING OPTION | DIM. "A" |         | DIM. "B" |         | DIM. "D" |         |
|-----------|-----------------------------------|------------------------------------------------|-------------|----------------|----------|---------|----------|---------|----------|---------|
|           | PART NUMBER                       | ROW                                            | CKT. NO.(s) |                | INCH     | MM      | INCH     | MM      | INCH     | 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<br>(WITH CAP IN T&R) | VOID LOCATION(S)<br>SEE SHEET 1 FOR CONVENTION |         | PLATING OPTION | DIM A |         | DIM B |         | DIM D |        |
|----------|-------------------------------|------------------------------------------------|---------|----------------|-------|---------|-------|---------|-------|--------|
|          | PART NUMBER                   | ROW                                            | CKT NO. |                | INCH  | MM      | INCH  | MM      | INCH  | MM     |
| 50       | 79109-8924                    | A                                              | 13, 23  | 5              | 1.890 | (48.00) | 1.976 | (50.19) | .183  | (4.65) |
|          |                               | B                                              | 23      |                |       |         |       |         |       |        |

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

|                                                                                                                         |             |                                                                                                     |                                                            |  |        |                                                                                                                                  |                 |              |                          |                           |                                                   |        |                    |  |
|-------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------|--|--------|----------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------|--------------------------|---------------------------|---------------------------------------------------|--------|--------------------|--|
| SEE SHT 4<br>EC NO: S2016-0112<br>2015/07/28<br>DRWN:ATSEE<br>2015/08/15<br>CHKD:CGOH<br>2015/08/19<br>APPR:KHLIM<br>M9 | DESCRIPTION | QUALITY SYMBOLS<br><div>F<sub>A</sub>=0</div> <div>F<sub>G</sub>=0</div> <div>F<sub>P</sub>=0</div> | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |  |        | DIMENSION STYLE<br>IN/MM                                                                                                         |                 | SCALE<br>NTS | DESIGN UNITS<br>INCH     | THIRD ANGLE<br>PROJECTION |                                                   |        |                    |  |
|                                                                                                                         |             |                                                                                                     | mm                                                         |  | INCH   |                                                                                                                                  | DRAWN BY<br>AAB |              | DATE<br>1989/05/15       |                           | TITLE<br>2MM DUAL ROW<br>VERTICAL RECEPTACLE, SMT |        |                    |  |
|                                                                                                                         |             |                                                                                                     | 4 PLACES                                                   |  | ± ---  |                                                                                                                                  | ± ---           |              | CHECKED BY<br>MJM        |                           |                                                   |        | DATE<br>1989/05/15 |  |
|                                                                                                                         |             |                                                                                                     | 3 PLACES                                                   |  | ± ---  |                                                                                                                                  | ± .010          |              | APPROVED BY<br>LBLEE     |                           |                                                   |        | DATE<br>2014/08/01 |  |
|                                                                                                                         |             |                                                                                                     | 2 PLACES                                                   |  | ± 0.25 |                                                                                                                                  | ± .015          |              | MOLEX MOLEX INCORPORATED |                           |                                                   |        |                    |  |
|                                                                                                                         |             |                                                                                                     | 1 PLACE                                                    |  | ± 0.38 |                                                                                                                                  | ± ---           |              |                          |                           |                                                   |        |                    |  |
|                                                                                                                         |             |                                                                                                     | ANGULAR ± 3 °                                              |  |        | MATERIAL NO.                                                                                                                     |                 | DOCUMENT NO. |                          | SHEET NO.                 |                                                   |        |                    |  |
|                                                                                                                         |             |                                                                                                     | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |  |        | SIZE<br>A3                                                                                                                       |                 | SEE TABLE    |                          | SDA-79109-XXXX            |                                                   | 3 OF 9 |                    |  |
|                                                                                                                         |             |                                                                                                     |                                                            |  |        | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                 |              |                          |                           |                                                   |        |                    |  |
|                                                                                                                         |             |                                                                                                     |                                                            |  |        |                                                                                                                                  |                 |              |                          |                           |                                                   |        |                    |  |

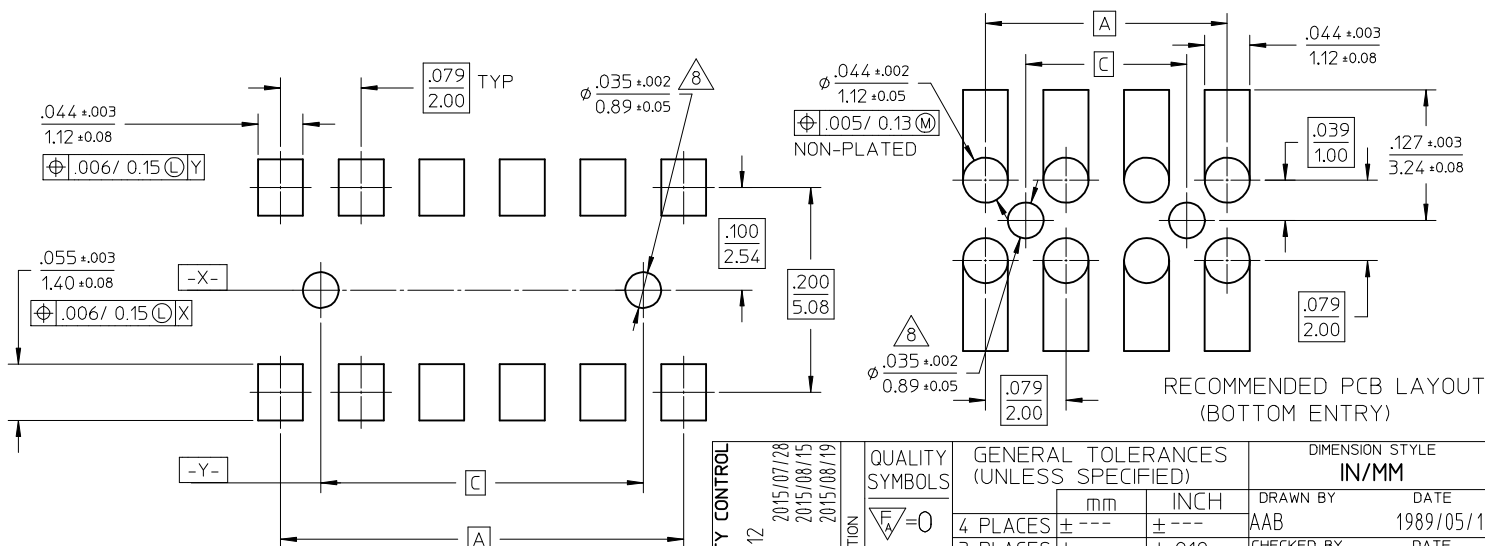
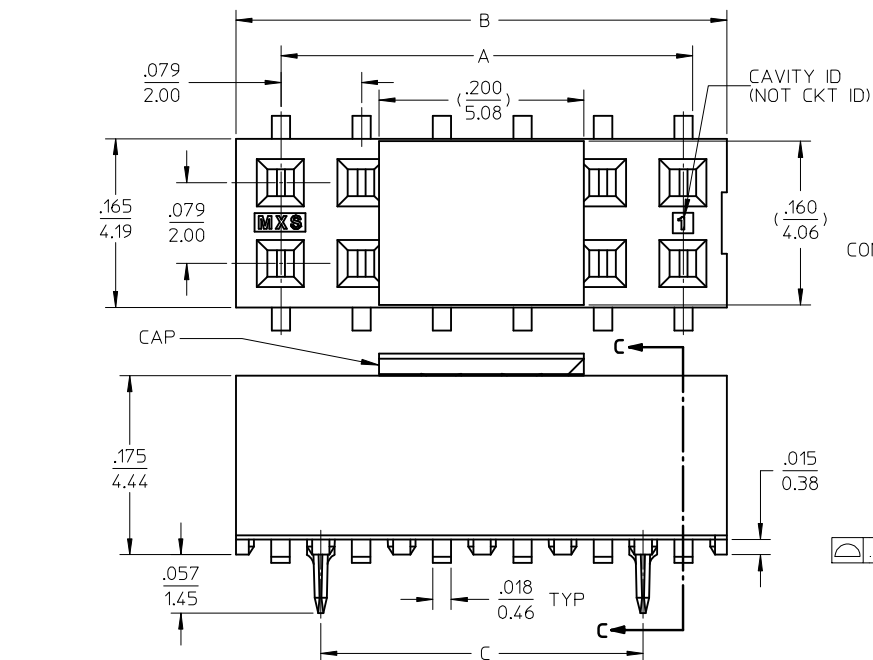
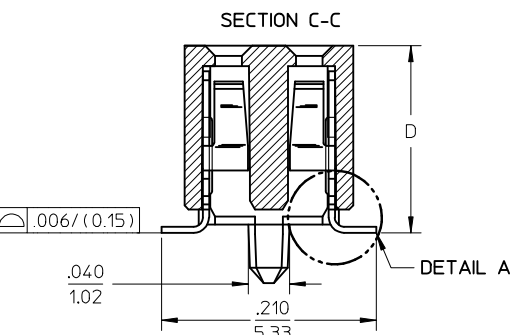
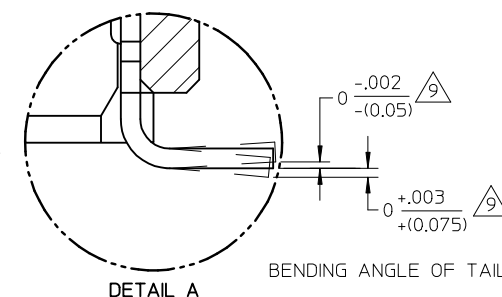


( 4 ) 30µin (0.75µm) MIN. GOLD PLATE IN SELECTED AREA AND  
75µin (1.88µm) MIN. TIN IN SELECTED  
AREA OVER 50µin (1.25µm) MIN. NICKEL OVER-ALL.

( 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.

- 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

|                                                                                                                                                     |                    |                                                                                                                 |                                          |    |      |                                                            |                    |                                                                                                          |                      |                                                                                                                                  |  |                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------------------------------------------------------------------------------------------------------------|------------------------------------------|----|------|------------------------------------------------------------|--------------------|----------------------------------------------------------------------------------------------------------|----------------------|----------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------|
| ADD COPLANARITY CONTROL<br>TO SMT TAIL<br>EC NO: S2016-0112<br>2015/07/28<br>DRWN:ATSEE<br>2015/08/15<br>CHKD:GGH<br>2015/08/19<br>APPR:KHLIM<br>M9 | DESCRIPTION<br>REV | QUALITY<br>SYMBOLS<br><div><div>F<sub>A</sub>=0</div><div>F<sub>C</sub>=0</div><div>F<sub>P</sub>=0</div></div> | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |    |      | DIMENSION STYLE<br>IN/MM                                   |                    | SCALE<br>NTS                                                                                             | DESIGN UNITS<br>INCH |  THIRD ANGLE<br>PROJECTION                  |  |                                |
|                                                                                                                                                     |                    |                                                                                                                 |                                          | mm | INCH | DRAWN BY<br>AAB                                            | DATE<br>1989/05/15 | TITLE<br>2MM DUAL ROW<br>VERTICAL RECEPTACLE, SMT                                                        |                      |                                                                                                                                  |  |                                |
|                                                                                                                                                     |                    |                                                                                                                 |                                          |    |      | CHECKED BY<br>MJM                                          | DATE<br>1989/05/15 |                                                                                                          |                      |                                                                                                                                  |  |                                |
|                                                                                                                                                     |                    |                                                                                                                 |                                          |    |      | APPROVED BY<br>LBLEE                                       | DATE<br>2014/08/01 |  MOLEX INCORPORATED |                      |                                                                                                                                  |  |                                |
|                                                                                                                                                     |                    |                                                                                                                 |                                          |    |      | MATERIAL NO.<br>SEE TABLE                                  |                    |                                                                                                          |                      |                                                                                                                                  |  | DOCUMENT NO.<br>SDA-79109-XXXX |
|                                                                                                                                                     |                    |                                                                                                                 |                                          |    |      | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                    |                                                                                                          | SIZE<br>A3           | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                                |
|                                                                                                                                                     |                    |                                                                                                                 |                                          |    |      |                                                            |                    |                                                                                                          |                      |                                                                                                                                  |  |                                |

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# PEG OPTION

| CKT.<br>SIZE | DIM. "A" |         | DIM. "B" |         | DIM. "C" |         | DIM. "D" |        | PLATING OPTION 5                         |                                       | PLATING OPTION 4                         |                                       | PLATING OPTION 6                         |                                       |
|--------------|----------|---------|----------|---------|----------|---------|----------|--------|------------------------------------------|---------------------------------------|------------------------------------------|---------------------------------------|------------------------------------------|---------------------------------------|
|              | INCH     | MM      | INCH     | MM      | INCH     | MM      | INCH     | MM     | ITEM NO.<br>TUBE PACKED<br>(WITHOUT CAP) | ITEM NO.<br>TAPE PACKED<br>(WITH CAP) | ITEM NO.<br>TUBE PACKED<br>(WITHOUT CAP) | ITEM NO.<br>TAPE PACKED<br>(WITH CAP) | ITEM NO.<br>TUBE PACKED<br>(WITHOUT CAP) | ITEM NO.<br>TAPE PACKED<br>(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<br>EC NO: S2016-0112<br>DRN:ATSEE<br>CHKD:GQH<br>APPR:KHLIM<br>2015/07/28<br>2015/08/15<br>2015/08/19 | QUALITY<br>SYMBOLS<br>$F_A=0$<br>$F_C=0$<br>$F_P=0$ | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |            | DIMENSION STYLE<br>IN/MM                                   |      | SCALE<br>NTS                                                                                                                     | DESIGN UNITS<br>INCH | THIRD ANGLE<br>PROJECTION |  |  |  |
|                                                                                                                 |                                                     |                                          |            | mm                                                         | INCH | DRAWN BY<br>AAB                                                                                                                  | DATE<br>1989/05/15   |                           |  |  |  |
|                                                                                                                 |                                                     | 4 PLACES                                 | $\pm$ ---  | $\pm$ ---                                                  |      | CHECKED BY<br>MJM                                                                                                                | DATE<br>1989/05/15   |                           |  |  |  |
|                                                                                                                 |                                                     | 3 PLACES                                 | $\pm$ ---  | $\pm$ .010                                                 |      | APPROVED BY<br>LBLEE                                                                                                             | DATE<br>2014/08/01   |                           |  |  |  |
| M9                                                                                                              | REV                                                 | 2 PLACES                                 | $\pm$ 0.25 | $\pm$ .015                                                 |      | TITLE<br>2MM DUAL ROW<br>VERTICAL RECEPTACLE, SMT                                                                                |                      |                           |  |  |  |
|                                                                                                                 |                                                     | 1 PLACE                                  | $\pm$ 0.38 | $\pm$ ---                                                  |      | MOLEX INCORPORATED                                                                                                               |                      |                           |  |  |  |
|                                                                                                                 |                                                     | ANGULAR $\pm$ 3 °                        |            | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |      | MATERIAL NO.<br>SEE TABLE                                                                                                        |                      |                           |  |  |  |
|                                                                                                                 |                                                     |                                          |            | SIZE<br>A3                                                 |      | DOCUMENT NO.<br>SDA-79109-XXXX                                                                                                   |                      |                           |  |  |  |
|                                                                                                                 |                                                     |                                          |            |                                                            |      | SHEET NO.<br>5 OF 9                                                                                                              |                      |                           |  |  |  |
|                                                                                                                 |                                                     |                                          |            |                                                            |      | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                      |                           |  |  |  |

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PEG OPTION

SPECIAL PACKAGING (TAPE PACKED WITHOUT CAP)

| CKT.<br>SIZE | DIM. "A" |         | DIM. "B" |         | DIM. "C" |         | DIM. "D" |        | ITEM NO.   | PLATING<br>OPTION<br>SEE SHEET 1 |
|--------------|----------|---------|----------|---------|----------|---------|----------|--------|------------|----------------------------------|
|              | 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                                |

F

E

D

C

B

A

ASSEMBLIES WITH PEGS  
VOIDED CIRCUIT OPTION

| CKT.<br>SIZE | ASSEMBLY<br>(WITHOUT CAP IN TUBE) | VOID LOCATION(S)<br>SEE SHEET 1 FOR CONVENTION |             | PLATING OPTION | DIM. "A" |         | DIM. "B" |         | DIM. "C" |         | DIM. "D" |         |
|--------------|-----------------------------------|------------------------------------------------|-------------|----------------|----------|---------|----------|---------|----------|---------|----------|---------|
|              | ITEM NO.                          | ROW                                            | CKT. NO.(s) |                | INCH     | MM      | INCH     | MM      | INCH     | MM      | INCH     | 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:
- TERMINALS WILL BE PRESENT IN VOIDED LOCATIONS. HOWEVER, PIN WINDOWS WILL BE CLOSED.
  - VOIDS CAN ONLY BE PRESENT IN ONE ROW OF A CONNECTOR.

|                                                                               |                    |                                                                                                        |                                                            |                                                                                                                                  |                 |              |            |                                                   |                           |              |
|-------------------------------------------------------------------------------|--------------------|--------------------------------------------------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------|------------|---------------------------------------------------|---------------------------|--------------|
| SEE SHT 4<br>EC NO: S2016-0112<br>DRWN:ATSEE<br>CHKD:CGOH<br>APPR:KHLIM<br>M9 | DESCRIPTION<br>REV | QUALITY<br>SYMBOLS<br><div>F<sub>A</sub>=0</div> <div>F<sub>C</sub>=0</div> <div>F<sub>P</sub>=0</div> | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |                                                                                                                                  | DIMENSION STYLE |              | SCALE      | DESIGN UNITS                                      | THIRD ANGLE<br>PROJECTION |              |
|                                                                               |                    |                                                                                                        |                                                            |                                                                                                                                  | IN/MM           |              | NTS        | INCH                                              |                           |              |
|                                                                               |                    |                                                                                                        |                                                            | mm                                                                                                                               | INCH            | DRAWN BY     | DATE       | TITLE<br>2MM DUAL ROW<br>VERTICAL RECEPTACLE, SMT |                           |              |
|                                                                               |                    |                                                                                                        | 4 PLACES                                                   | ± ---                                                                                                                            | ± ---           | AAB          | 1989/05/15 |                                                   |                           |              |
|                                                                               |                    |                                                                                                        | 3 PLACES                                                   | ± ---                                                                                                                            | ± .010          | CHECKED BY   | DATE       |                                                   |                           |              |
|                                                                               |                    |                                                                                                        | 2 PLACES                                                   | ± .025                                                                                                                           | ± .015          | MJM          | 1989/05/15 |                                                   |                           |              |
|                                                                               |                    |                                                                                                        | 1 PLACE                                                    | ± 0.38                                                                                                                           | ± ---           | APPROVED BY  | DATE       |                                                   |                           |              |
|                                                                               |                    |                                                                                                        | ANGULAR ± 3 °                                              |                                                                                                                                  |                 | LBLEE        | 2014/08/01 | MOLEX INCORPORATED                                |                           |              |
|                                                                               |                    |                                                                                                        | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                                                                                                                                  |                 | MATERIAL NO. |            |                                                   |                           | DOCUMENT NO. |
| SEE TABLE                                                                     |                    | SDA-79109-XXXX                                                                                         |                                                            |                                                                                                                                  |                 | 7 OF 9       |            |                                                   |                           |              |
|                                                                               |                    |                                                                                                        | SIZE<br>A3                                                 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                 |              |            |                                                   |                           |              |

SPECIAL - CUSTOM TERMINAL FEET  
PEG OPTION

|           | DIM. "A" |         | DIM. "B" |         | DIM. "C" |         | DIM. "D" |        | PLATING OPTION 5                         |                                       |                                       |            |   |            |
|-----------|----------|---------|----------|---------|----------|---------|----------|--------|------------------------------------------|---------------------------------------|---------------------------------------|------------|---|------------|
| CKT. SIZE | INCH     | MM      | INCH     | MM      | INCH     | MM      | INCH     | MM     | ITEM NO.<br>TUBE PACKED<br>(WITHOUT CAP) | ITEM NO.<br>TAPE PACKED<br>(WITH CAP) | ITEM NO.<br>TUBE PACKED<br>(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<br>EC NO: S2016-0112<br>DRAWN:ATSEE<br>CHKD:GOH<br>APPR:KHLIM<br>REV<br>M9 | DESCRIPTION | QUALITY SYMBOLS<br><br>▽ <sub>A</sub> =0<br><br>▽ <sub>C</sub> =0<br><br>▽ <sub>P</sub> =0 | GENERAL TOLERANCES (UNLESS SPECIFIED) |                                                                                                                                  | DIMENSION STYLE<br>IN/MM |                 | SCALE<br>NTS       | DESIGN UNITS<br>INCH                              | THIRD ANGLE<br>PROJECTION |  |  |  |
|                                                                                      |             |                                                                                            |                                       | mm                                                                                                                               | INCH                     | DRAWN BY<br>AAB | DATE<br>1989/05/15 | TITLE<br>2MM DUAL ROW<br>VERTICAL RECEPTACLE, SMT |                           |  |  |  |
|                                                                                      |             |                                                                                            | 4 PLACES                              | ± ---                                                                                                                            | ± ---                    | CHECKED BY      | DATE               |                                                   |                           |  |  |  |
|                                                                                      |             |                                                                                            | 3 PLACES                              | ± ---                                                                                                                            | ± .010                   | MJM             | 1989/05/15         | MOLEX MOLEX INCORPORATED                          |                           |  |  |  |
|                                                                                      |             |                                                                                            | 2 PLACES                              | ± 0.25                                                                                                                           | ± .015                   | APPROVED BY     | DATE               |                                                   |                           |  |  |  |
|                                                                                      |             |                                                                                            | 1 PLACE                               | ± 0.38                                                                                                                           | ± ---                    | LBLEE           | 2014/08/01         | MOLEX MOLEX INCORPORATED                          |                           |  |  |  |
|                                                                                      |             |                                                                                            | ANGULAR ± 3 °                         |                                                                                                                                  | MATERIAL NO.             | DOCUMENT NO.    | SHEET NO.          |                                                   |                           |  |  |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                           |             | SEE TABLE                                                                                  |                                       | SDA-79109-XXXX                                                                                                                   |                          | 8 OF 9          |                    |                                                   |                           |  |  |  |
|                                                                                      |             | SIZE<br>A3                                                                                 |                                       | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                          |                 |                    |                                                   |                           |  |  |  |

SPECIAL - CUSTOM TERMINAL FEET

VOIDED CIRCUIT OPTION

| CKT.<br>SIZE | ASSEMBLY                                 |                                       | VOID LOCATION(S)<br>SEE SHEET 1 FOR CONVENTION |             | PLATING OPTION | DIM. "A" |         | DIM. "B" |         | DIM. "C" |         | DIM. "D" |        | PEG OPTION |
|--------------|------------------------------------------|---------------------------------------|------------------------------------------------|-------------|----------------|----------|---------|----------|---------|----------|---------|----------|--------|------------|
|              | ITEM NO.<br>TUBE PACKED<br>(WITHOUT CAP) | ITEM NO.<br>TAPE PACKED<br>(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<br>EC NO: S2016-0112<br>DRAWN:ATSEE<br>2015/07/28<br>CHKD:CGOH<br>2015/08/15<br>APPR:KHLIM<br>2015/08/19 | DESCRIPTION | QUALITY SYMBOLS<br><div>F<sub>A</sub>=0</div> <div>F<sub>G</sub>=0</div> <div>F<sub>P</sub>=0</div>                           | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |        |        | DIMENSION STYLE<br>IN/MM |                    | SCALE<br>NTS                                      | DESIGN UNITS<br>INCH                                                                                     |  THIRD ANGLE<br>PROJECTION |  |  |
|                                                                                                                    |             |                                                                                                                               |                                                            | mm     | INCH   | DRAWN BY<br>AAB          | DATE<br>1989/05/15 | TITLE<br>2MM DUAL ROW<br>VERTICAL RECEPTACLE, SMT |                                                                                                          |                                                                                                                 |  |  |
|                                                                                                                    |             |                                                                                                                               | 4 PLACES                                                   | ± ---  | ± ---  | CHECKED BY<br>MJM        | DATE<br>1989/05/15 |                                                   |                                                                                                          |                                                                                                                 |  |  |
|                                                                                                                    |             |                                                                                                                               | 3 PLACES                                                   | ± ---  | ± .010 | APPROVED BY<br>LBLEE     |                    | DATE<br>2014/08/01                                |  MOLEX INCORPORATED |                                                                                                                 |  |  |
|                                                                                                                    |             |                                                                                                                               | 2 PLACES                                                   | ± 0.25 | ± .015 | MATERIAL NO.             |                    | DOCUMENT NO.                                      |                                                                                                          |                                                                                                                 |  |  |
|                                                                                                                    |             |                                                                                                                               | 1 PLACE                                                    | ± 0.38 | ± ---  | SEE TABLE                |                    | SDA-79109-XXXX                                    | 9 OF 9                                                                                                   |                                                                                                                 |  |  |
|                                                                                                                    |             |                                                                                                                               | ANGULAR ± 3 °                                              |        |        |                          |                    |                                                   |                                                                                                          |                                                                                                                 |  |  |
|                                                                                                                    |             |                                                                                                                               | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |        |        |                          |                    |                                                   |                                                                                                          |                                                                                                                 |  |  |
| M9                                                                                                                 | REV         | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                            |        |        |                          |                    |                                                   |                                                                                                          |                                                                                                                 |  |  |