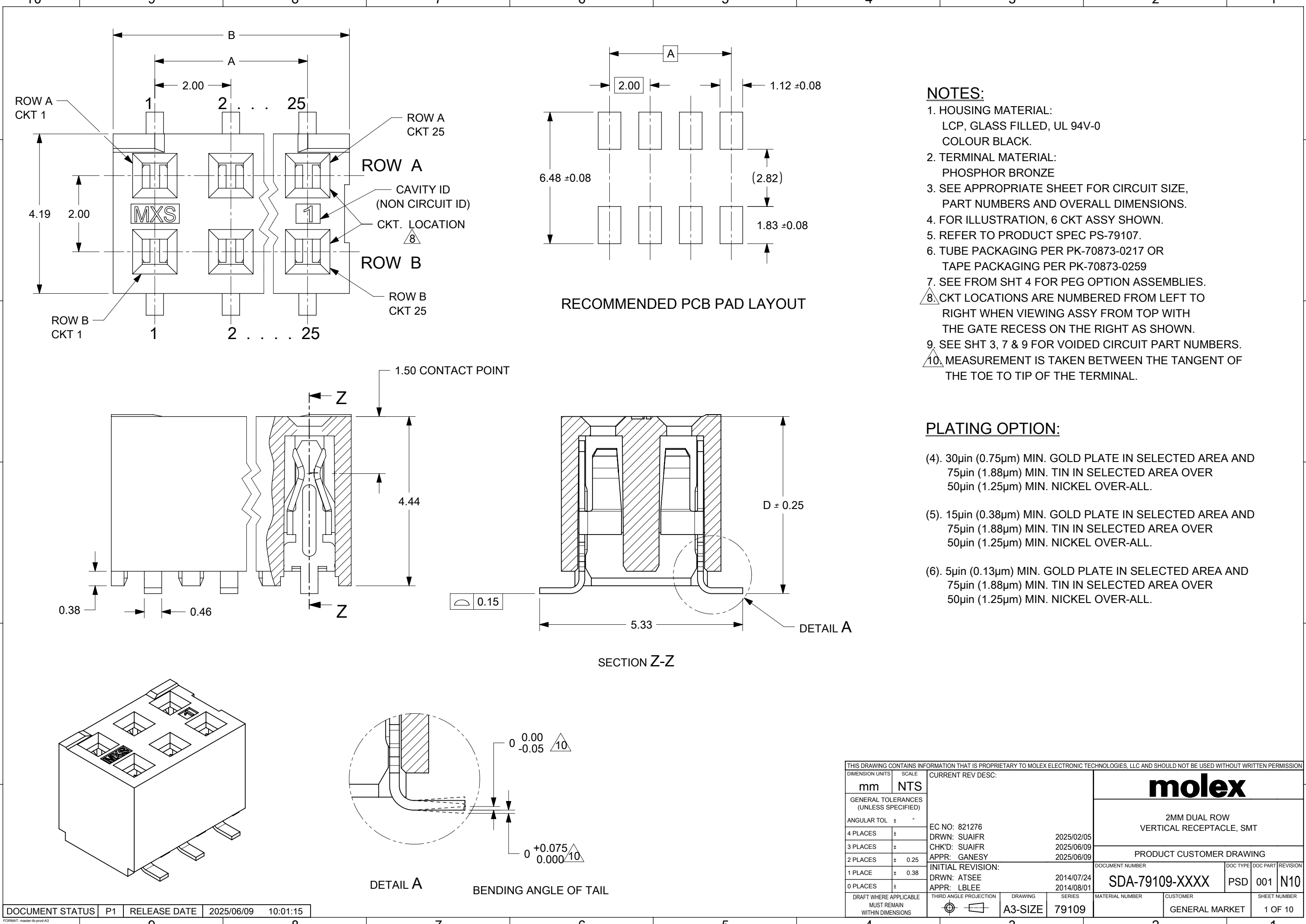




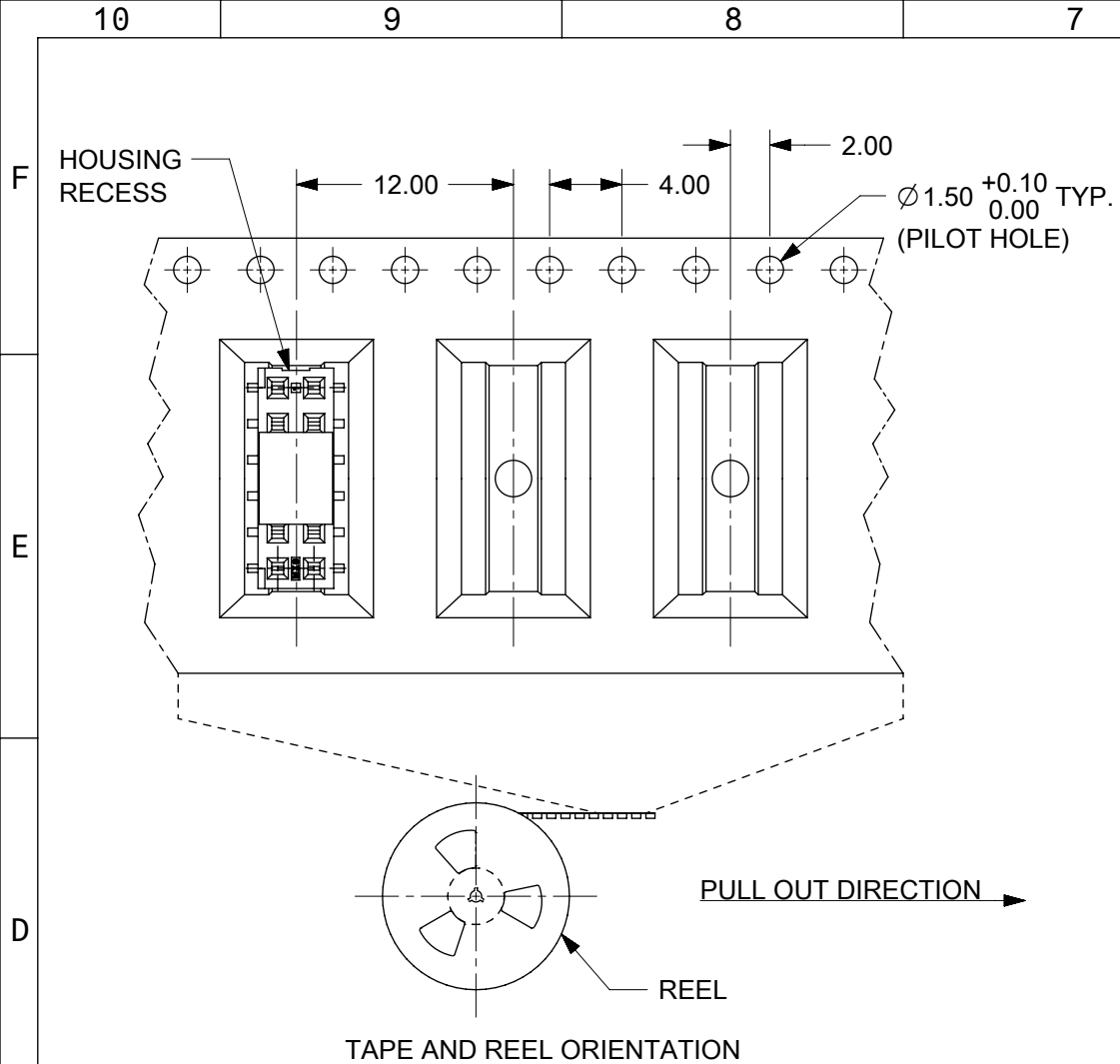
NOTES:

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

PLATING OPTION:

- (4). 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.

|                                                                                                                                               |  |           |  |                                                                                                                                                                                             |  |                                         |  |                |          |          |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--|-----------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------|--|----------------|----------|----------|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |           |  |                                                                                                                                                                                             |  |                                         |  |                |          |          |
| DIMENSION UNITS                                                                                                                               |  | SCALE     |  | CURRENT REV DESC:                                                                                                                                                                           |  |                                         |  |                |          |          |
| mm                                                                                                                                            |  | NTS       |  |                                                                                                                                                                                             |  |                                         |  |                |          |          |
| GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |  |           |  | EC NO: 821276<br>DRWN: SUAIFR<br>2025/02/05<br>CHK'D: SUAIFR<br>2025/06/09<br>APPR: GANESY<br>2025/06/09<br><br>INITIAL REVISION:<br>DRWN: ATSEE<br>2014/07/24<br>APPR: LBLEE<br>2014/08/01 |  |                                         |  |                |          |          |
| ANGULAR TOL    ±       °                                                                                                                      |  |           |  |                                                                                                                                                                                             |  |                                         |  |                |          |          |
| 4 PLACES                                                                                                                                      |  | ±         |  |                                                                                                                                                                                             |  |                                         |  |                |          |          |
| 3 PLACES                                                                                                                                      |  | ±         |  |                                                                                                                                                                                             |  |                                         |  |                |          |          |
| 2 PLACES                                                                                                                                      |  | ±    0.25 |  |                                                                                                                                                                                             |  |                                         |  |                |          |          |
| 1 PLACE                                                                                                                                       |  | ±    0.38 |  |                                                                                                                                                                                             |  |                                         |  |                |          |          |
| 0 PLACES                                                                                                                                      |  | ±         |  |                                                                                                                                                                                             |  |                                         |  |                |          |          |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |  |           |  | THIRD ANGLE PROJECTION                                                                                                                                                                      |  | DRAWING                                 |  | SERIES         |          |          |
|                                                                                                                                               |  |           |  |                                                                                                        |  | A3-SIZE                                 |  | 79109          |          |          |
|                                                                                                                                               |  |           |  |                                                                                                                                                                                             |  |                                         |  |                |          |          |
|                                                          |  |           |  |                                                                                                                                                                                             |  | 2MM DUAL ROW<br>VERTICAL RECEPACLE, SMT |  |                |          |          |
|                                                                                                                                               |  |           |  |                                                                                                                                                                                             |  |                                         |  |                |          |          |
| PRODUCT CUSTOMER DRAWING                                                                                                                      |  |           |  |                                                                                                                                                                                             |  | DOCUMENT NUMBER                         |  | DOC TYPE       | DOC PART | REVISION |
|                                                                                                                                               |  |           |  |                                                                                                                                                                                             |  | SDA-79109-XXXX                          |  | PSD            | 001      | N10      |
| MATERIAL NUMBER                                                                                                                               |  |           |  | CUSTOMER                                                                                                                                                                                    |  |                                         |  | SHEET NUMBER   |          |          |
|                                                                                                                                               |  |           |  |                                                                                                                                                                                             |  |                                         |  | GENERAL MARKET |          | 1 OF 10  |

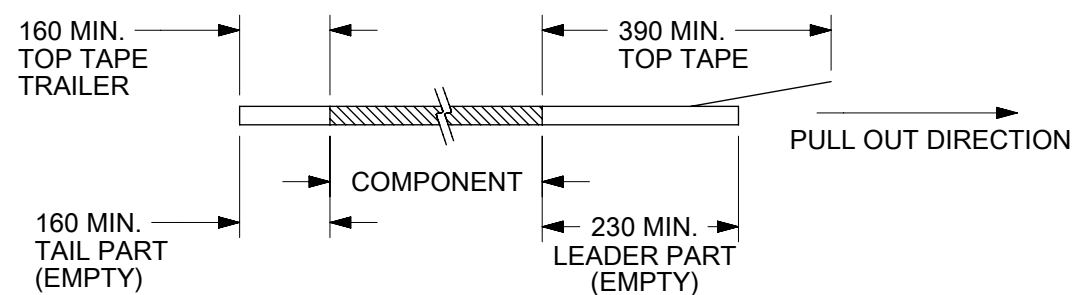


|                    | 6        |          |          | 5                                        |                                       | 4                                        |                                       | 3                                        |                                       | 2                                        |            | 1          |            |
|--------------------|----------|----------|----------|------------------------------------------|---------------------------------------|------------------------------------------|---------------------------------------|------------------------------------------|---------------------------------------|------------------------------------------|------------|------------|------------|
| WITHOUT PEG OPTION |          |          |          |                                          |                                       |                                          |                                       |                                          |                                       |                                          |            |            |            |
| CKT.<br>SIZE       | DIM. "A" | DIM. "B" | DIM. "D" | PLATING OPTION 5                         |                                       | PLATING OPTION 4                         |                                       | PLATING OPTION 6                         |                                       |                                          |            |            |            |
|                    |          |          |          | 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) | ITEM NO.<br>TAPE PACKED<br>(WITHOUT CAP) |            |            |            |
| 04                 | 2.00     | 4.19     | 4.65     |                                          | 79109-1001                            | 79109-8401                               |                                       | 79109-1051                               | 79109-8451                            |                                          | 79109-1101 | 79109-1149 | 79109-2801 |
| 06                 | 4.00     | 6.19     | 4.65     |                                          | 79109-1002                            | 79109-8402                               |                                       | 79109-1052                               | 79109-8452                            |                                          | 79109-1102 | -          | -          |
| 08                 | 6.00     | 8.19     | 4.65     |                                          | 79109-1003                            | 79109-8403                               |                                       | 79109-1053                               | 79109-8453                            |                                          | 79109-1103 | -          | -          |
| 10                 | 8.00     | 10.19    | 4.65     |                                          | 79109-1004                            | 79109-8404                               |                                       | 79109-1054                               | 79109-8454                            |                                          | 79109-1104 | -          | -          |
| 12                 | 10.00    | 12.19    | 4.65     |                                          | 79109-1005                            | 79109-8405                               |                                       | 79109-1055                               | 79109-8455                            |                                          | 79109-1105 | -          | -          |
| 14                 | 12.00    | 14.19    | 4.65     |                                          | 79109-1006                            | 79109-8406                               |                                       | 79109-1056                               | 79109-8456                            |                                          | 79109-1106 | -          | -          |
| 16                 | 14.00    | 16.19    | 4.65     |                                          | 79109-1007                            | 79109-8407                               |                                       | 79109-1057                               | 79109-8457                            |                                          | 79109-1107 | -          | -          |
| 18                 | 16.00    | 18.19    | 4.65     |                                          | 79109-1008                            | 79109-8408                               |                                       | 79109-1058                               | 79109-8458                            |                                          | 79109-1108 | -          | -          |
| 20                 | 18.00    | 20.19    | 4.65     |                                          | 79109-1009                            | 79109-8409                               |                                       | 79109-1059                               | 79109-8459                            |                                          | 79109-1109 | -          | -          |
| 22                 | 20.00    | 22.19    | 4.65     |                                          | 79109-1010                            | 79109-8410                               |                                       | 79109-1060                               | 79109-8460                            |                                          | 79109-1110 | -          | -          |
| 24                 | 22.00    | 24.19    | 4.65     |                                          | 79109-1011                            | 79109-8411                               |                                       | 79109-1061                               | 79109-8461                            |                                          | 79109-1111 | -          | -          |
| 26                 | 24.00    | 26.19    | 4.65     |                                          | 79109-1012                            | 79109-8412                               |                                       | 79109-1062                               | 79109-8462                            |                                          | 79109-1112 | -          | -          |
| 28                 | 26.00    | 28.19    | 4.65     |                                          | 79109-1013                            | 79109-8413                               |                                       | 79109-1063                               | 79109-8463                            |                                          | 79109-1113 | -          | -          |
| 30                 | 28.00    | 30.19    | 4.65     |                                          | 79109-1014                            | 79109-8414                               |                                       | 79109-1064                               | 79109-8464                            |                                          | 79109-1114 | -          | -          |
| 32                 | 30.00    | 32.19    | 4.65     |                                          | 79109-1015                            | 79109-8415                               |                                       | 79109-1065                               | 79109-8465                            |                                          | 79109-1115 | -          | -          |
| 34                 | 32.00    | 34.19    | 4.65     |                                          | 79109-1016                            | 79109-8416                               |                                       | 79109-1066                               | 79109-8466                            |                                          | 79109-1116 | -          | -          |
| 36                 | 34.00    | 36.19    | 4.65     |                                          | 79109-1017                            | 79109-8417                               |                                       | 79109-1067                               | 79109-8467                            |                                          | 79109-1117 | -          | -          |
| 38                 | 36.00    | 38.19    | 4.65     |                                          | 79109-1018                            | 79109-8418                               |                                       | 79109-1068                               | 79109-8468                            |                                          | 79109-1118 | -          | -          |
| 40                 | 38.00    | 40.19    | 4.65     |                                          | 79109-1019                            | 79109-8419                               |                                       | 79109-1069                               | 79109-8469                            |                                          | 79109-1119 | -          | -          |
| 42                 | 40.00    | 42.19    | 4.65     |                                          | 79109-1020                            | 79109-8420                               |                                       | 79109-1070                               | 79109-8470                            |                                          | 79109-1120 | -          | -          |
| 44                 | 42.00    | 44.19    | 4.65     |                                          | 79109-1021                            | 79109-8421                               |                                       | 79109-1071                               | 79109-8471                            |                                          | 79109-1121 | -          | -          |
| 46                 | 44.00    | 46.19    | 4.65     |                                          | 79109-1022                            | 79109-8422                               |                                       | 79109-1072                               | 79109-8472                            |                                          | 79109-1122 | -          | -          |
| 48                 | 46.00    | 48.19    | 4.65     |                                          | 79109-1023                            | 79109-8423                               |                                       | 79109-1073                               | 79109-8473                            |                                          | 79109-1123 | -          | -          |
| 50                 | 48.00    | 50.19    | 4.65     |                                          | 79109-1024                            | 79109-8424                               |                                       | 79109-1074                               | 79109-8474                            |                                          | 79109-1124 | -          | -          |

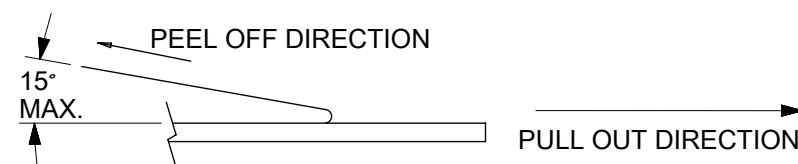
"X" INDICATES TOOLING NOT AVAILABLE.

NOTES:

1. LEADER AND TRAILER TAPE.



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



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

SPECIAL PACKAGING (TAPE PACKED WITHOUT CAP)

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

|                                                                                                                                               |  |        |  |                                                  |  |                                                                                                 |                                                                                                           |                |          |                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--|--------|--|--------------------------------------------------|--|-------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|----------------|----------|-----------------|
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| DIMENSION UNITS                                                                                                                               |  | SCALE  |  | CURRENT REV DESC:                                |  |                                                                                                 | <div>molex</div> <div>2MM DUAL ROW<br/>VERTICAL RECEPTACLE, SMT</div> <div>PRODUCT CUSTOMER DRAWING</div> |                |          |                 |
| mm                                                                                                                                            |  | NTS    |  |                                                  |  |                                                                                                 |                                                                                                           |                |          |                 |
| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                                      |  |        |  |                                                  |  |                                                                                                 |                                                                                                           |                |          |                 |
| ANGULAR TOL                                                                                                                                   |  | ±      |  | °                                                |  | EC NO: 821276<br>DRWN: SUAIFR 2025/02/05<br>CHK'D: SUAIFR 2025/06/09<br>APPR: GANESY 2025/06/09 |                                                                                                           |                |          |                 |
| 4 PLACES                                                                                                                                      |  | ±      |  |                                                  |  |                                                                                                 |                                                                                                           |                |          |                 |
| 3 PLACES                                                                                                                                      |  | ±      |  |                                                  |  |                                                                                                 |                                                                                                           |                |          |                 |
| 2 PLACES                                                                                                                                      |  | ± 0.25 |  |                                                  |  |                                                                                                 |                                                                                                           |                |          |                 |
| 1 PLACE                                                                                                                                       |  | ± 0.38 |  |                                                  |  |                                                                                                 |                                                                                                           |                |          |                 |
| 0 PLACES                                                                                                                                      |  | ±      |  | INITIAL REVISION:                                |  |                                                                                                 | DOCUMENT NUMBER                                                                                           |                |          |                 |
|                                                                                                                                               |  |        |  | DRWN: ATSEE 2014/07/24<br>APPR: LBLEE 2014/08/01 |  |                                                                                                 | SDA-79109-XXXX                                                                                            |                |          |                 |
|                                                                                                                                               |  |        |  |                                                  |  |                                                                                                 | DOC TYPE                                                                                                  |                | DOC PART | REVISION        |
|                                                                                                                                               |  |        |  |                                                  |  |                                                                                                 | PSD                                                                                                       |                | 001      | N10             |
| DRAW THAT APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                      |  |        |  | THIRD ANGLE PROJECTION                           |  | DRAWING                                                                                         |                                                                                                           | SERIES         |          | MATERIAL NUMBER |
|                                                                                                                                               |  |        |  |                                                  |  | A3-SIZE                                                                                         |                                                                                                           | 79109          |          | CUSTOMER        |
|                                                                                                                                               |  |        |  |                                                  |  |                                                                                                 |                                                                                                           | GENERAL MARKET |          | SHEET NUMBER    |
|                                                                                                                                               |  |        |  |                                                  |  |                                                                                                 |                                                                                                           |                |          | 2 OF 10         |

ASSEMBLIES WITHOUT PEGS

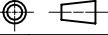
VOIDED CIRCUIT OPTION

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

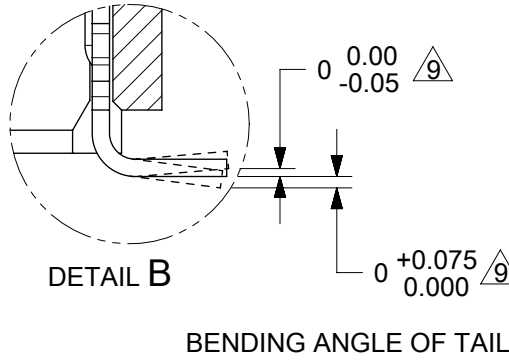
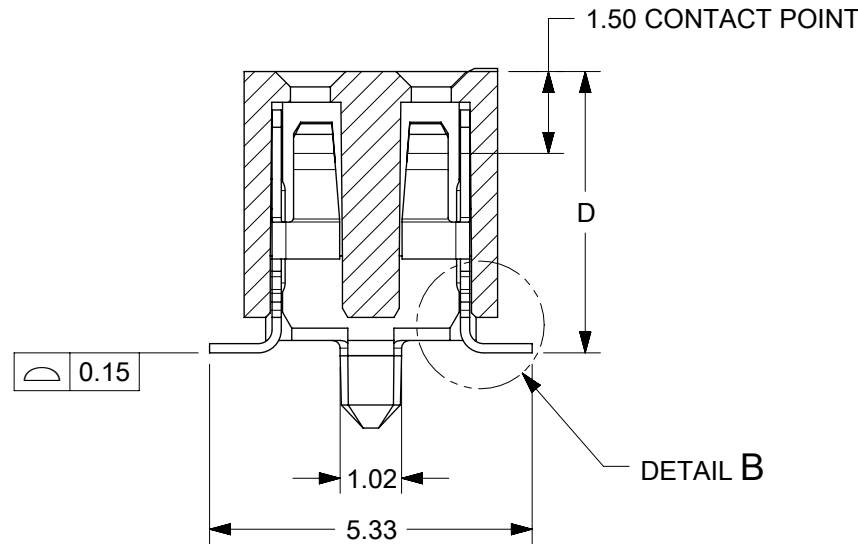
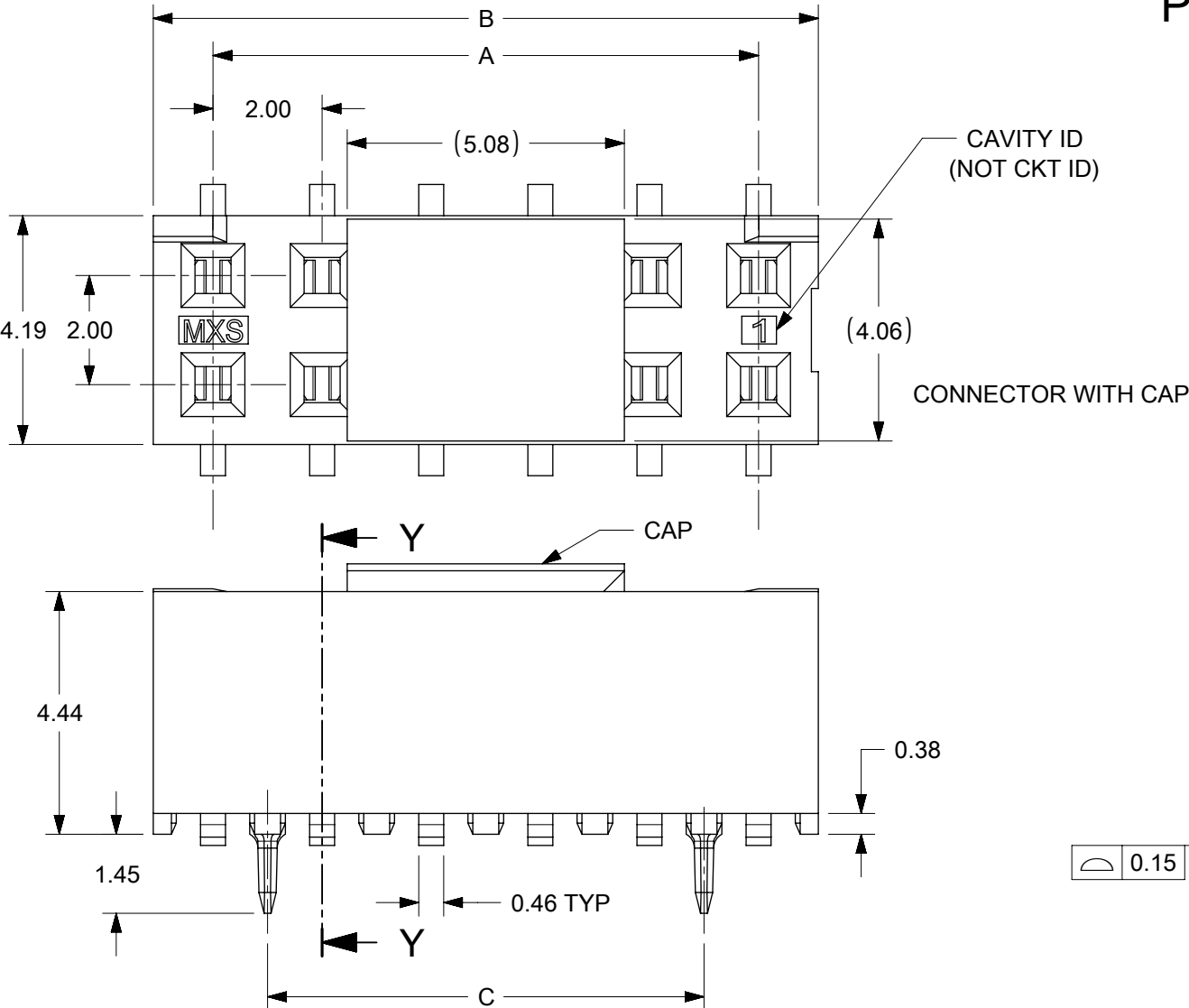
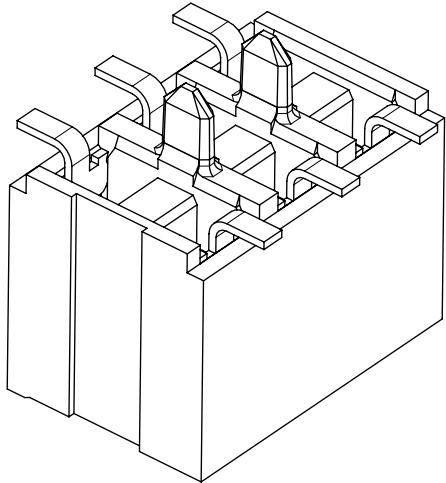
| CKT.<br>SIZE | ASSEMBLY<br>(WITH CAP IN T&R) | VOID LOCATION(S)<br>SEE SHEET 1 FOR CONVENTION |             | PLATING<br>OPTION | DIM."A" | DIM."B" | DIM."D" |
|--------------|-------------------------------|------------------------------------------------|-------------|-------------------|---------|---------|---------|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

NOTES:

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

|                                                                                                                                               |  |       |  |                                                                                                                                                                              |  |        |  |                                          |  |              |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--|-------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------|--|------------------------------------------|--|--------------|--|
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| DIMENSION UNITS                                                                                                                               |  | SCALE |  | CURRENT REV DESC:                                                                                                                                                            |  |        |  | molex                                    |  |              |  |
| mm                                                                                                                                            |  | NTS   |  |                                                                                                                                                                              |  |        |  |                                          |  |              |  |
| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                                      |  |       |  | EC NO: 821276<br>DRWN: SUAIFR 2025/02/05<br>CHK'D: SUAIFR 2025/06/09<br>APPR: GANESY 2025/06/09<br><br>INITIAL REVISION:<br>DRWN: ATSEE 2014/07/24<br>APPR: LBLEE 2014/08/01 |  |        |  | 2MM DUAL ROW<br>VERTICAL RECEPTACLE, SMT |  |              |  |
| ANGULAR TOL ± °                                                                                                                               |  |       |  |                                                                                                                                                                              |  |        |  | PRODUCT CUSTOMER DRAWING                 |  |              |  |
| 4 PLACES ±                                                                                                                                    |  |       |  |                                                                                                                                                                              |  |        |  | DOCUMENT NUMBER                          |  |              |  |
| 3 PLACES ±                                                                                                                                    |  |       |  |                                                                                                                                                                              |  |        |  | SDA-79109-XXXX                           |  |              |  |
| 2 PLACES ± 0.25                                                                                                                               |  |       |  |                                                                                                                                                                              |  |        |  | DOC TYPE                                 |  | DOC PART     |  |
| 1 PLACE ± 0.38                                                                                                                                |  |       |  | THIRD ANGLE PROJECTION<br>                                                              |  |        |  | SERIES                                   |  | REVISION     |  |
| 0 PLACES ±                                                                                                                                    |  |       |  |                                                                                                                                                                              |  |        |  | MATERIAL NUMBER                          |  | SHEET NUMBER |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |  |       |  | DRAWING                                                                                                                                                                      |  | SERIES |  | CUSTOMER                                 |  | SHEET NUMBER |  |
|                                                                                                                                               |  |       |  | A3-SIZE                                                                                                                                                                      |  | 79109  |  | GENERAL MARKET                           |  | 3 OF 10      |  |

PEG OPTION

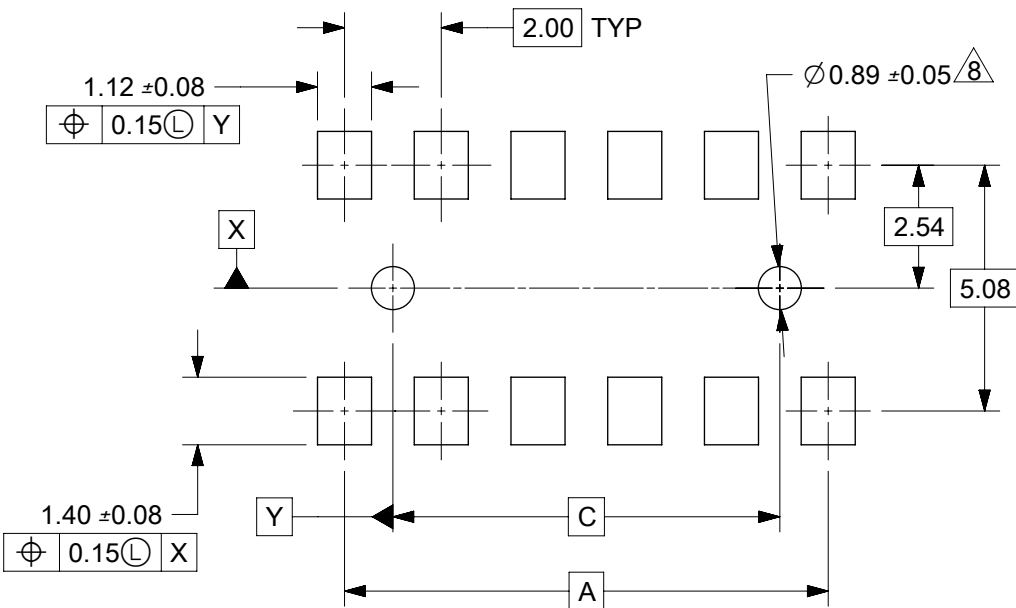
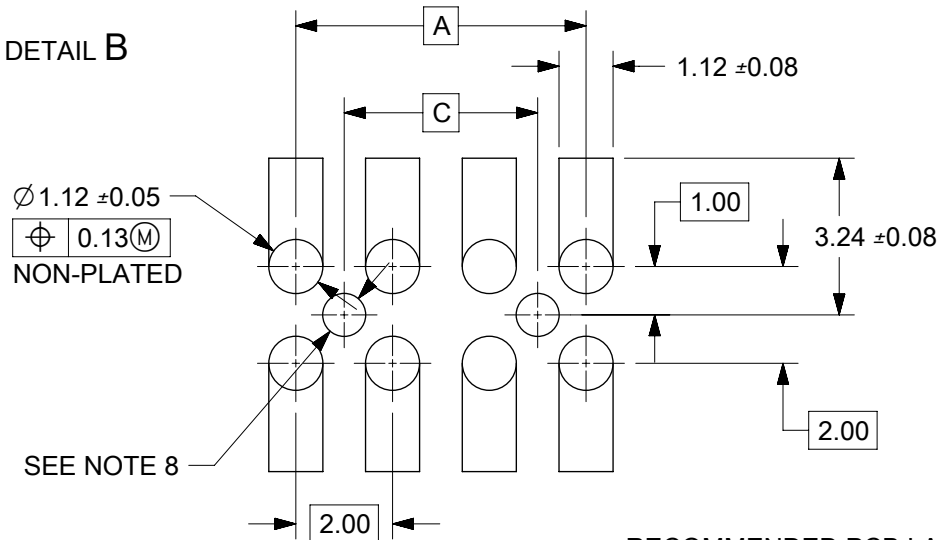


PLATING OPTION:

- (4). 30µin (0.75µm) MIN. GOLD PLATE IN SELECTED AREA AND 75µin (1.88µm) MIN. TIN IN SELECTED AREA OVER 50µin (1.25µm) MIN. NICKEL OVER-ALL.
- (5). 15µin (0.38µm) MIN. GOLD PLATE IN SELECTED AREA AND 75µin (1.88µm) MIN. TIN IN SELECTED AREA OVER 50µin (1.25µm) MIN. NICKEL OVER-ALL.
- (6). 5µin (0.13µm) MIN. GOLD PLATE IN SELECTED AREA AND 75µin (1.88µm) MIN. TIN IN SELECTED AREA OVER 50µin (1.25µm) MIN. NICKEL OVER-ALL.

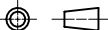
NOTES:

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



RECOMMENDED PCB LAYOUT

RECOMMENDED PCB LAYOUT (BOTTOM ENTRY)

|                                                                                                                                               |  |           |  |                                                                                       |  |         |  |                  |  |          |  |              |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--|-----------|--|---------------------------------------------------------------------------------------|--|---------|--|------------------|--|----------|--|--------------|--|
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| DIMENSION UNITS                                                                                                                               |  | SCALE     |  | CURRENT REV DESC:                                                                     |  |         |  | <div>molex</div> |  |          |  |              |  |
| mm                                                                                                                                            |  | NTS       |  |                                                                                       |  |         |  |                  |  |          |  |              |  |
| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                                      |  |           |  | <div>2MM DUAL ROW<br/>VERTICAL RECEPTACLE, SMT</div>                                  |  |         |  |                  |  |          |  |              |  |
| ANGULAR TOL    ±    °                                                                                                                         |  |           |  |                                                                                       |  |         |  |                  |  |          |  |              |  |
| 4 PLACES                                                                                                                                      |  | ±         |  |                                                                                       |  |         |  |                  |  |          |  |              |  |
| 3 PLACES                                                                                                                                      |  | ±         |  |                                                                                       |  |         |  |                  |  |          |  |              |  |
| 2 PLACES                                                                                                                                      |  | ±    0.25 |  |                                                                                       |  |         |  |                  |  |          |  |              |  |
| 1 PLACE                                                                                                                                       |  | ±    0.38 |  |                                                                                       |  |         |  |                  |  |          |  |              |  |
| 0 PLACES                                                                                                                                      |  | ±         |  |                                                                                       |  |         |  |                  |  |          |  |              |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |  |           |  | THIRD ANGLE PROJECTION                                                                |  | DRAWING |  | SERIES           |  |          |  |              |  |
|                                                                                                                                               |  |           |  |  |  | A3-SIZE |  | 79109            |  |          |  |              |  |
|                                                                                                                                               |  |           |  | DOCUMENT NUMBER                                                                       |  |         |  | DOC TYPE         |  | DOC PART |  | REVISION     |  |
|                                                                                                                                               |  |           |  | SDA-79109-XXXX                                                                        |  |         |  | PSD              |  | 001      |  | N10          |  |
|                                                                                                                                               |  |           |  | MATERIAL NUMBER                                                                       |  |         |  | CUSTOMER         |  |          |  | SHEET NUMBER |  |
|                                                                                                                                               |  |           |  |                                                                                       |  |         |  | GENERAL MARKET   |  |          |  | 4 OF 10      |  |



PEG OPTION

SPECIAL PACKAGING (TAPE PACKED WITHOUT CAP )

N10

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





SPECIAL - CUSTOM TERMINAL FEET

VOIDED CURCUIT OPTION

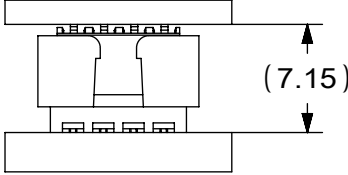
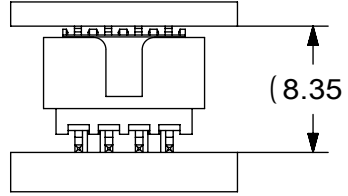
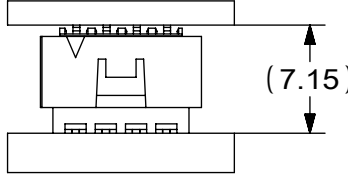
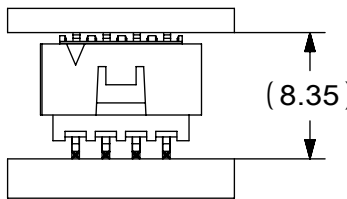
| CKT.<br>SIZE | ASSEMBLY                                 |   |                                       | VOID LOCATION(S)<br>SEE SHEET 1 FOR CONVENTION |             | PLATING<br>OPTION | DIM."A" | DIM."B" | DIM."C" | DIM."D" | PEG<br>OPTION |
|--------------|------------------------------------------|---|---------------------------------------|------------------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

'X' INDICATES TOOLING NOT AVAILABLE.

NOTES:

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

|                                                                                                                                               |  |        |  |                                                                |  |         |  |                                                                                                           |  |                 |  |                                        |  |              |  |     |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--|--------|--|----------------------------------------------------------------|--|---------|--|-----------------------------------------------------------------------------------------------------------|--|-----------------|--|----------------------------------------|--|--------------|--|-----|--|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |        |  |                                                                |  |         |  |                                                                                                           |  |                 |  |                                        |  |              |  |     |  |
| DIMENSION UNITS                                                                                                                               |  | SCALE  |  | CURRENT REV DESC:                                              |  |         |  | <div>molex</div> <div>2MM DUAL ROW<br/>VERTICAL RECEPTACLE, SMT</div> <div>PRODUCT CUSTOMER DRAWING</div> |  |                 |  |                                        |  |              |  |     |  |
| mm                                                                                                                                            |  | NTS    |  |                                                                |  |         |  |                                                                                                           |  |                 |  |                                        |  |              |  |     |  |
| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                                      |  |        |  | EC NO: 821276<br>DRWN: SUAIFR<br>CHK'D: SUAIFR<br>APPR: GANESY |  |         |  |                                                                                                           |  |                 |  | 2025/02/05<br>2025/06/09<br>2025/06/09 |  |              |  |     |  |
| ANGULAR TOL                                                                                                                                   |  | ± °    |  | INITIAL REVISION:                                              |  |         |  | DOCUMENT NUMBER                                                                                           |  | DOC TYPE        |  | DOC PART                               |  | REVISION     |  |     |  |
| 4 PLACES                                                                                                                                      |  | ±      |  | DRWN: ATSEE                                                    |  |         |  | 2014/07/24                                                                                                |  | SDA-79109-XXXX  |  | PSD                                    |  | 001          |  | N10 |  |
| 3 PLACES                                                                                                                                      |  | ±      |  | APPR: LBLEE                                                    |  |         |  | 2014/08/01                                                                                                |  |                 |  |                                        |  |              |  |     |  |
| 2 PLACES                                                                                                                                      |  | ± 0.25 |  |                                                                |  |         |  |                                                                                                           |  |                 |  |                                        |  |              |  |     |  |
| 1 PLACE                                                                                                                                       |  | ± 0.38 |  |                                                                |  |         |  |                                                                                                           |  |                 |  |                                        |  |              |  |     |  |
| 0 PLACES                                                                                                                                      |  | ±      |  |                                                                |  |         |  |                                                                                                           |  |                 |  |                                        |  |              |  |     |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |  |        |  | THIRD ANGLE PROJECTION                                         |  | DRAWING |  | SERIES                                                                                                    |  | MATERIAL NUMBER |  | CUSTOMER                               |  | SHEET NUMBER |  |     |  |
|                                                                                                                                               |  |        |  |                                                                |  | A3-SIZE |  | 79109                                                                                                     |  |                 |  | GENERAL MARKET                         |  | 9 OF 10      |  |     |  |

|                               |                    |              |                                                                                       |   |   |   |   |   |   |
|-------------------------------|--------------------|--------------|---------------------------------------------------------------------------------------|---|---|---|---|---|---|
| 10                            | 9                  | 8            | 7                                                                                     | 6 | 5 | 4 | 3 | 2 | 1 |
| BOARD TO BOARD (BTB) DISTANCE |                    |              |                                                                                       |   |   |   |   |   |   |
| RECEPTACLE                    | MATES WITH(HEADER) | BTB DISTANCE | PICTORIAL VIEW                                                                        |   |   |   |   |   |   |
| 79109                         | 87831              | 7.15         |    |   |   |   |   |   |   |
|                               | 87832              | 8.35         |    |   |   |   |   |   |   |
|                               | 151117             | 7.15         |   |   |   |   |   |   |   |
|                               | 151118             | 8.35         |  |   |   |   |   |   |   |

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DIMENSION UNITS

mm

SCALE

NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± °

4 PLACES ±

3 PLACES ±

2 PLACES ± 0.25

1 PLACE ± 0.38

0 PLACES ±

DRAFT WHERE APPLICABLE  
MUST REMAIN  
WITHIN DIMENSIONS

CURRENT REV DESC:

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

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

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

A3-SIZE

79109

SDA-79109-XXXX

PSD

001

N10

GENERAL MARKET

10 OF 10

2MM DUAL ROW  
VERTICAL RECEPTACLE, SMT

PRODUCT CUSTOMER DRAWING