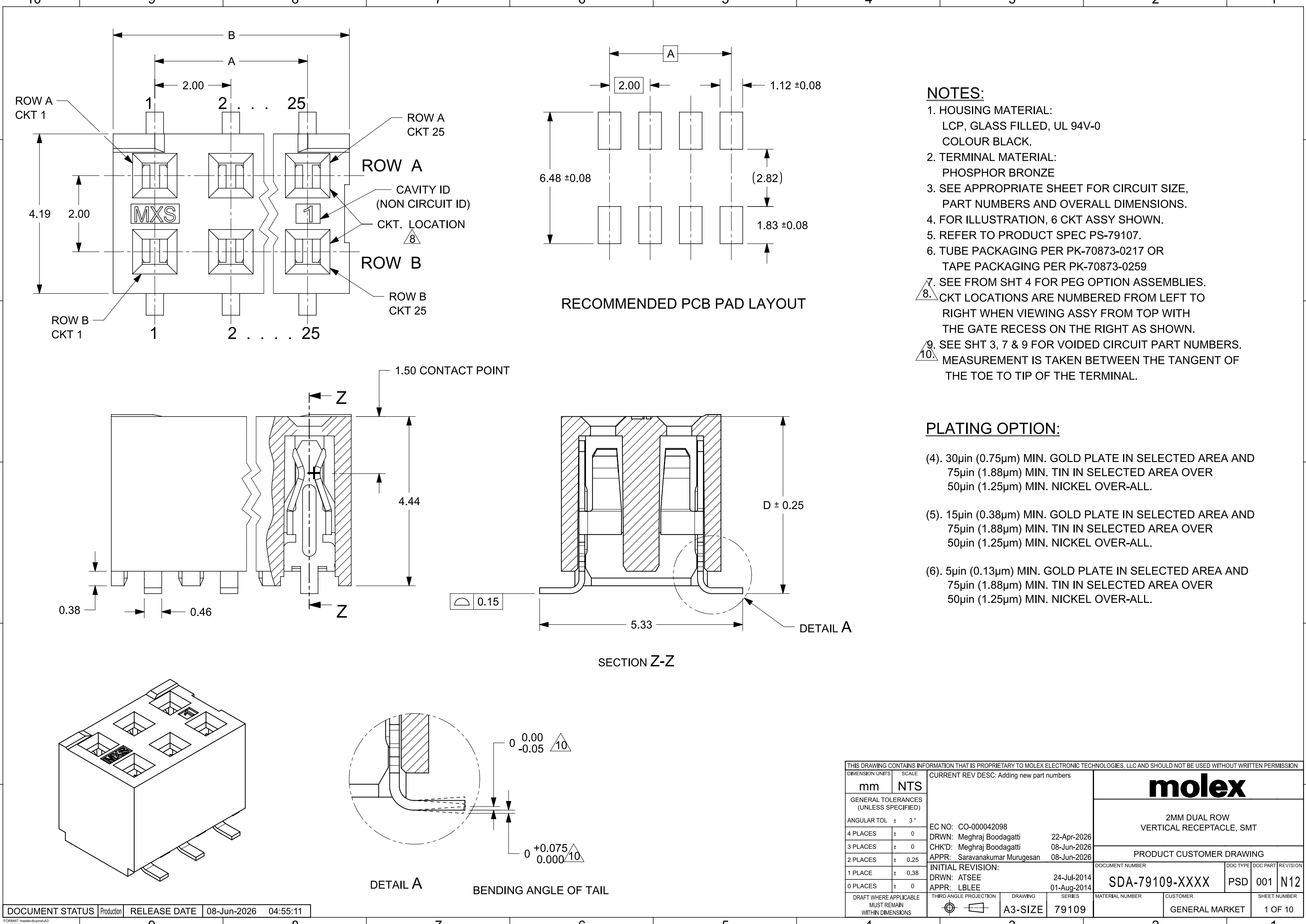




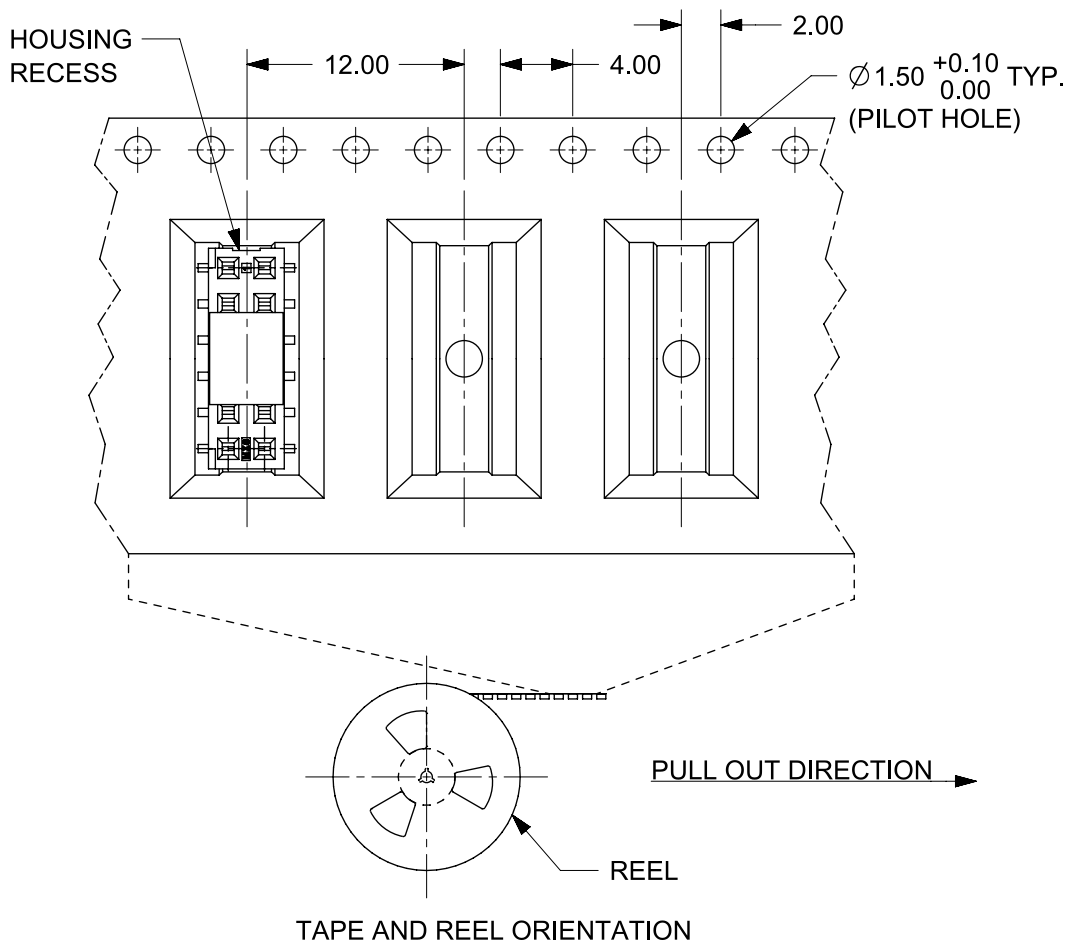
NOTES:

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.

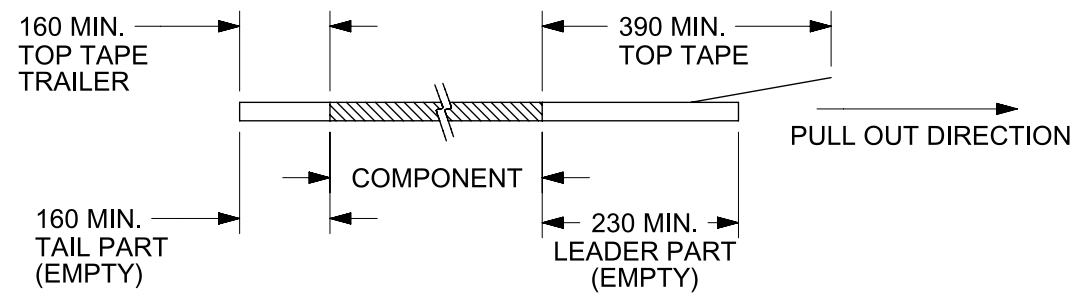
PLATING OPTION:

- (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.

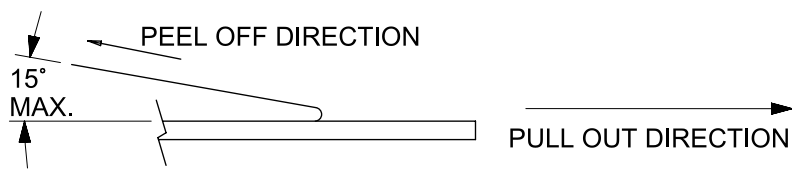
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
DIMENSION UNITS		SCALE		CURRENT REV DESC: Adding new part numbers					
mm		NTS							
GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL ± 3 °									
4 PLACES		± 0		EC NO: CO-000042098 DRWN: Meghraj Boodagatti					



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

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: Adding new part numbers			molex																						
mm		NTS																											
GENERAL TOLERANCES (UNLESS SPECIFIED)				2MM DUAL ROW VERTICAL RECEPTACLE, SMT PRODUCT CUSTOMER DRAWING <table><tr><td colspan="2">DOCUMENT NUMBER</td><td>DOC TYPE</td><td>DOC PART</td><td>REVISION</td></tr><tr><td colspan="2">SDA-79109-XXXX</td><td>PSD</td><td>001</td><td>N12</td></tr><tr><td colspan="2">MATERIAL NUMBER</td><td colspan="2">CUSTOMER</td><td>SHEET NUMBER</td></tr><tr><td colspan="2"></td><td colspan="2">GENERAL MARKET</td><td>2 OF 10</td></tr></table>						DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION	SDA-79109-XXXX		PSD	001	N12	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER			GENERAL MARKET		2 OF 10
DOCUMENT NUMBER		DOC TYPE	DOC PART							REVISION																			
SDA-79109-XXXX		PSD	001							N12																			
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		GENERAL MARKET								2 OF 10																			
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				DRWN: Meghraj Boodagatti 22-Apr-2026																									
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				DRWN: ATSEE 24-Jul-2014																									
				APPR: LBLEE 01-Aug-2014																									
				THIRD ANGLE PROJECTION		DRAWING		SERIES																					
						A3-SIZE		79109																					

DOCUMENT STATUS	Production	RELEASE DATE	08-Jun-2026	04:55:11
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WITHOUT PEG OPTION

CKT. SIZE	DIM. "A"	DIM. "B"	DIM. "D"	PLATING OPTION 5			PLATING OPTION 4			PLATING OPTION 6		
				ITEM NO. TUBE PACKED (WITHOUT CAP)	ITEM NO. TUBE PACKED (WITH CAP)	ITEM NO. TAPE PACKED (WITH CAP)	ITEM NO. TUBE PACKED (WITHOUT CAP)	ITEM NO. TUBE PACKED (WITH CAP)	ITEM NO. TAPE PACKED (WITH CAP)	ITEM NO. TUBE PACKED (WITHOUT CAP)	ITEM NO. TAPE PACKED (WITH CAP)	ITEM NO. TAPE PACKED (WITHOUT CAP)
04	2.00	4.19	4.65	79109-1001	79109-1025	79109-8401	79109-1051	79109-1075	79109-8451	79109-1101	79109-1149	79109-2801
04	2.00	4.19	4.65	-	-	-	-	-	-	-	79109-1125	-
06	4.00	6.19	4.65	79109-1002	79109-1026	79109-8402	79109-1052	79109-1076	79109-8452	79109-1102	-	-
08	6.00	8.19	4.65	79109-1003	79109-1027	79109-8403	79109-1053	79109-1077	79109-8453	79109-1103	-	-
10	8.00	10.19	4.65	79109-1004	79109-1028	79109-8404	79109-1054	79109-1078	79109-8454	79109-1104	-	-
12	10.00	12.19	4.65	79109-1005	79109-1029	79109-8405	79109-1055	79109-1079	79109-8455	79109-1105	-	-
14	12.00	14.19	4.65	79109-1006	79109-1030	79109-8406	79109-1056	79109-1080	79109-8456	79109-1106	-	-
16	14.00	16.19	4.65	79109-1007	79109-1031	79109-8407	79109-1057	79109-1081	79109-8457	79109-1107	-	-
18	16.00	18.19	4.65	79109-1008	79109-1032	79109-8408	79109-1058	79109-1082	79109-8458	79109-1108	-	-
20	18.00	20.19	4.65	79109-1009	79109-1033	79109-8409	79109-1059	79109-1083	79109-8459	79109-1109	-	-
20	18.00	20.19	4.65	79109-1049	-	-	-	-	-	-	-	-
22	20.00	22.19	4.65	79109-1010	79109-1034	79109-8410	79109-1060	79109-1084	79109-8460	79109-1110	-	-
24	22.00	24.19	4.65	79109-1011	79109-1035	79109-8411	79109-1061	79109-1085	79109-8461	79109-1111	-	-
26	24.00	26.19	4.65	79109-1012	79109-1036	79109-8412	79109-1062	79109-1086	79109-8462	79109-1112	-	-
28	26.00	28.19	4.65	79109-1013	79109-1037	79109-8413	79109-1063	79109-1087	79109-8463	79109-1113	-	-
30	28.00	30.19	4.65	79109-1014	79109-1038	79109-8414	79109-1064	79109-1088	79109-8464	79109-1114	-	-
32	30.00	32.19	4.65	79109-1015	79109-1039	79109-8415	79109-1065	79109-1089	79109-8465	79109-1115	-	-
34	32.00	34.19	4.65	79109-1016	79109-1040	79109-8416	79109-1066	79109-1090	79109-8466	79109-1116	-	-
36	34.00	36.19	4.65	79109-1017	79109-1041	79109-8417	79109-1067	79109-1091	79109-8467	79109-1117	-	-
38	36.00	38.19	4.65	79109-1018	79109-1042	79109-8418	79109-1068	79109-1092	79109-8468	79109-1118	-	-
40	38.00	40.19	4.65	79109-1019	79109-1043	79109-8419	79109-1069	79109-1093	79109-8469	79109-1119	-	-
42	40.00	42.19	4.65	79109-1020	79109-1044	79109-8420	79109-1070	79109-1094	79109-8470	79109-1120	-	-
44	42.00	44.19	4.65	79109-1021	79109-1045	79109-8421	79109-1071	79109-1095	79109-8471	79109-1121	-	-
46	44.00	46.19	4.65	79109-1022	79109-1046	79109-8422	79109-1072	79109-1096	79109-8472	79109-1122	-	-
48	46.00	48.19	4.65	79109-1023	79109-1047	79109-8423	79109-1073	79109-1097	79109-8473	79109-1123	-	-
50	48.00	50.19	4.65	79109-1024	79109-1048	79109-8424	79109-1074	79109-1098	79109-8474	79109-1124	-	-
10	8.00	10.19	4.65	79109-2704	-	-	-	-	-	-	-	-

"X" INDICATES TOOLING NOT AVAILABLE.

SPECIAL PACKAGING (TAPE PACKED WITHOUT CAP)

ASSEMBLIES WITHOUT PEGS

VOIDED CIRCUIT OPTION

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

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

NOTES:

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

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

DIMENSION UNITS

mm

SCALE

NTS

GENERAL TOLERANCES
(UNLESS SPECIFIED)

ANGULAR TOL ± 3 °

4 PLACES ± 0

3 PLACES ± 0

2 PLACES ± 0.25

1 PLACE ± 0.38

0 PLACES ± 0

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

CURRENT REV DESC: Adding new part numbers

EC NO: CO-000042098

DRWN: Meghraj Boodagatti

CHK'D: Meghraj Boodagatti

APPR: Saravanakumar Murugesan

INITIAL REVISION:

DRWN: ATSEE

APPR: LBLEE

THIRD ANGLE PROJECTION

DRAWING

A3-SIZE

SERIES

79109

2MM DUAL ROW
VERTICAL RECEPTACLE, SMT

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

SDA-79109-XXXX

DOC TYPE

PSD

DOC PART

001

REVISION

N12

CUSTOMER

GENERAL MARKET

SHEET NUMBER

3 OF 10

22-Apr-2026

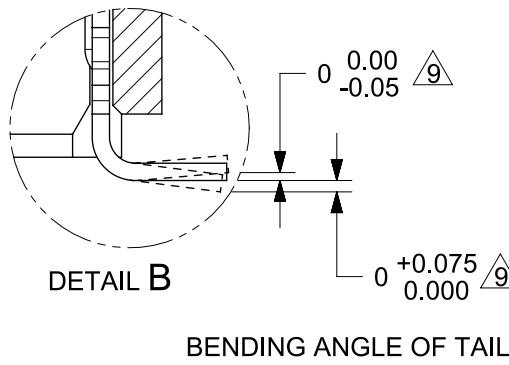
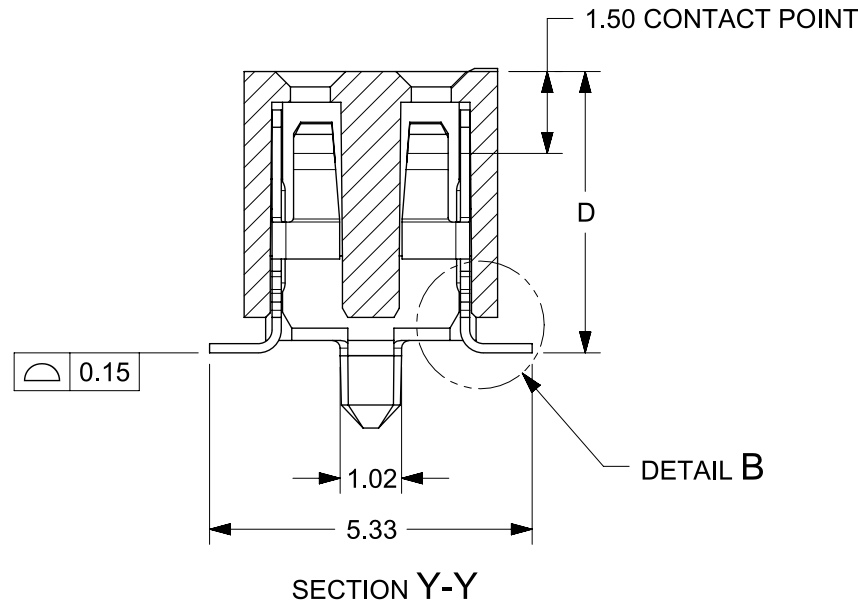
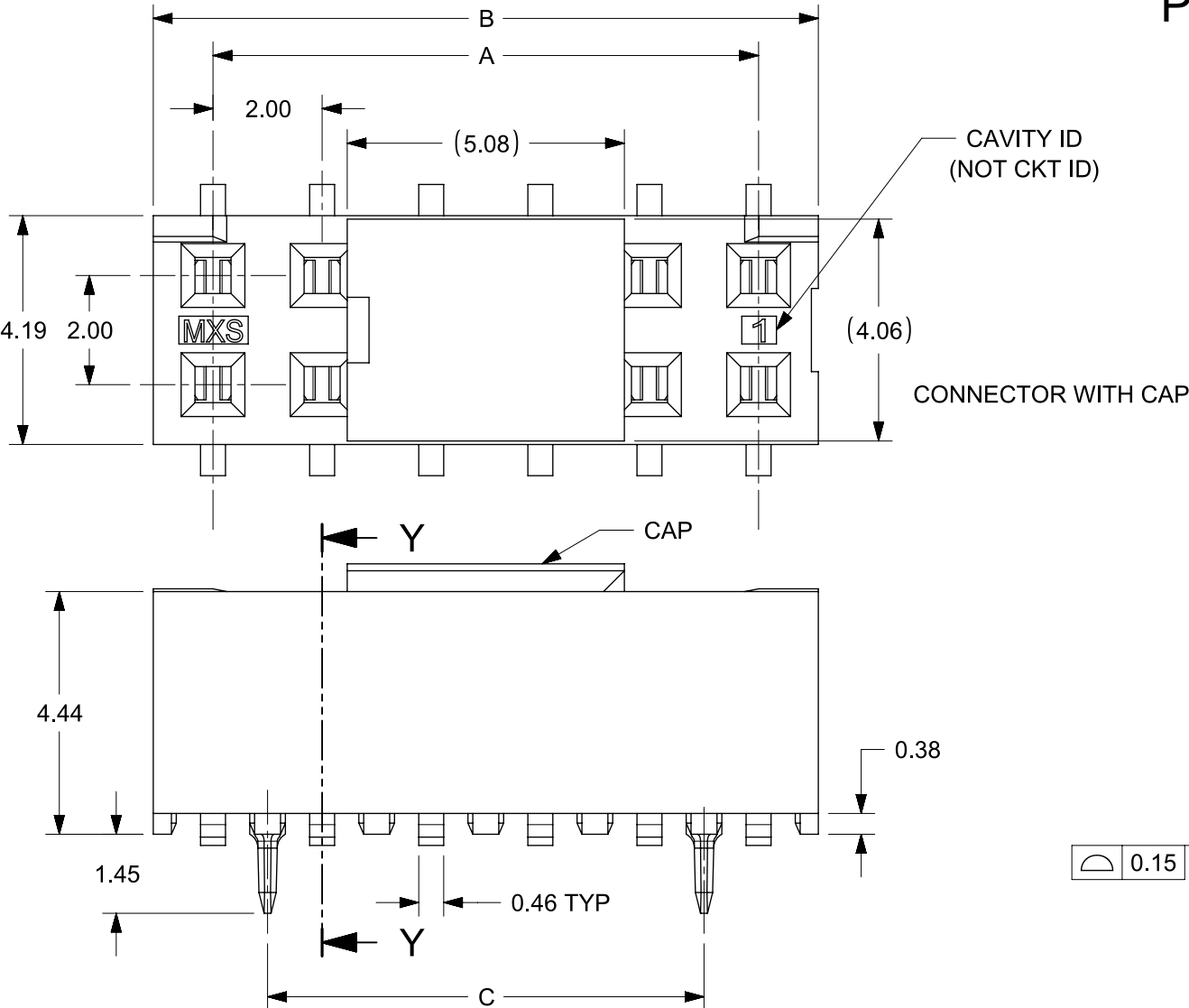
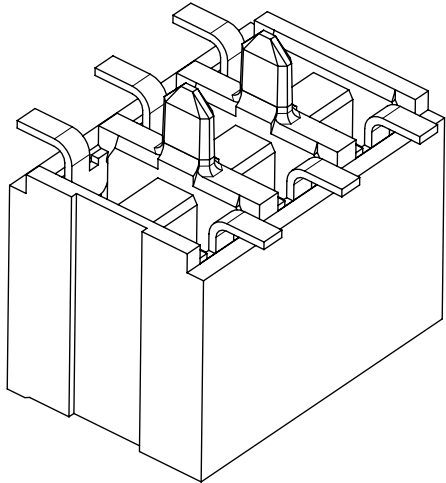
08-Jun-2026

08-Jun-2026

24-Jul-2014

01-Aug-2014

PEG OPTION

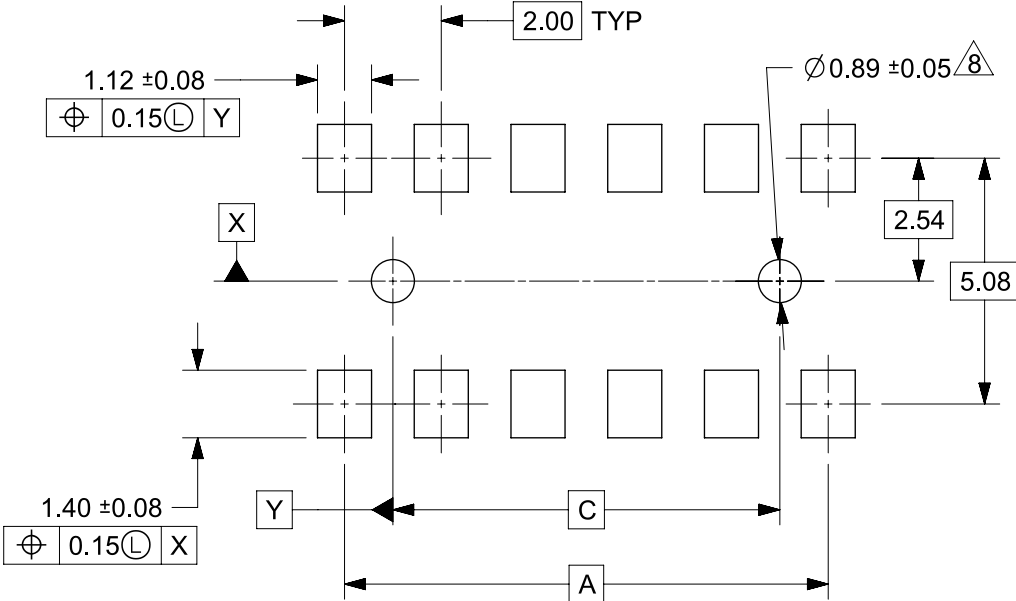
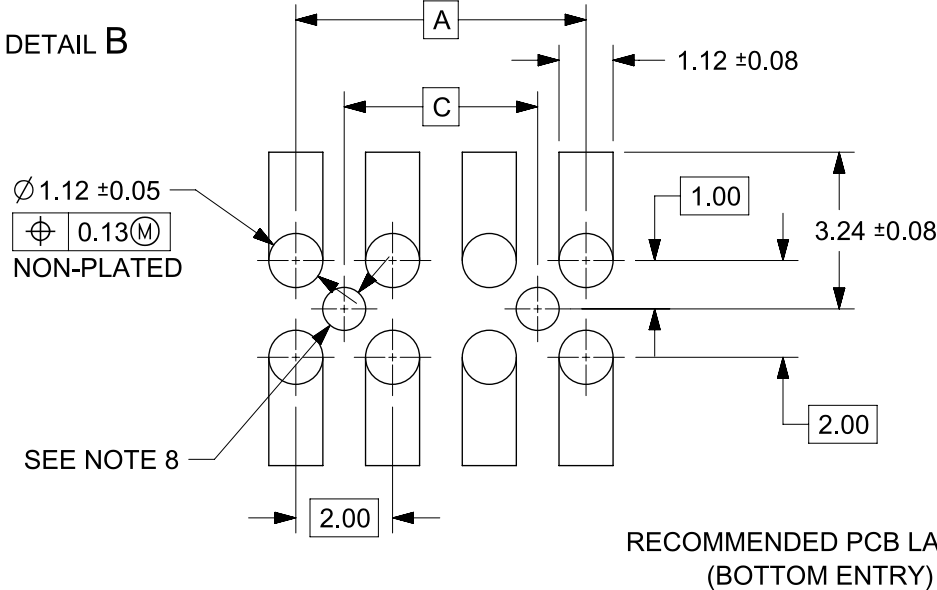


PLATING OPTION:

- (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.

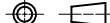
NOTES:

- 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)

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: Adding new part numbers					
mm		NTS		molex 2MM DUAL ROW VERTICAL RECEPTACLE, SMT PRODUCT CUSTOMER DRAWING					
GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL ± 3°									
4 PLACES		± 0							
3 PLACES		± 0							
2 PLACES		± 0.25		EC NO: CO-000042098 DRWN: Meghraj Boodagatti 22-Apr-2026 CHK'D: Meghraj Boodagatti 08-Jun-2026 APPR: Saravanakumar Murugesan 08-Jun-2026					
1 PLACE		± 0.38							
0 PLACES		± 0							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES	
						A3-SIZE		79109	
DOCUMENT NUMBER						DOC TYPE		DOC PART	
SDA-79109-XXXX						PSD		001	
MATERIAL NUMBER						CUSTOMER		SHEET NUMBER	
						GENERAL MARKET		4 OF 10	

PEG OPTION

SPECIAL PACKAGING (TAPE PACKED WITHOUT CAP)

N10

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

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: Adding new part numbers		molex 2MM DUAL ROW VERTICAL RECEPTACLE, SMT				
mm	NTS							
GENERAL TOLERANCES (UNLESS SPECIFIED)								
ANGULAR TOL	± 3 °							
4 PLACES	± 0	EC NO: CO-000042098		PRODUCT CUSTOMER DRAWING				
3 PLACES	± 0	DRWN: Meghraj Boodagatti 22-Apr-2026						
2 PLACES	± 0.25	CHK'D: Meghraj Boodagatti 08-Jun-2026						
1 PLACE	± 0.38	APPR: Saravanakumar Murugesan 08-Jun-2026		INITIAL REVISION:				
0 PLACES	± 0	DRWN: ATSEE 24-Jul-2014		DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPR: LBLEE 01-Aug-2014		SDA-79109-XXXX		PSD	001	N12
THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
		A3-SIZE	79109			GENERAL MARKET		6 OF 10

DOCUMENT STATUS

Production

RELEASE DATE

08-Jun-2026 04:55:11

9

8

7

6

5

4

3

2

1

10	9	8	7	6	5	4	3	2	1																																																																																																																																																																																																																																																																																					
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14	12.00	14.19	10.00	4.70	X		X	79109-8756	X																																																																																																																																																																																																																																																																																					
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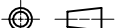
SPECIAL - CUSTOM TERMINAL FEET
VOIDED CURCUIT OPTION

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

'X' INDICATES TOOLING NOT AVAILABLE.

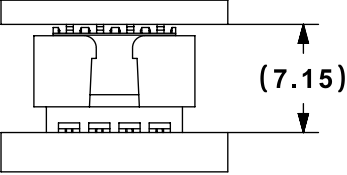
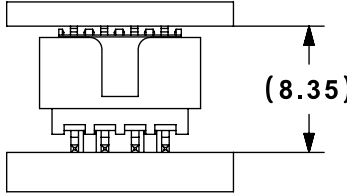
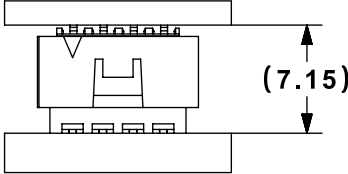
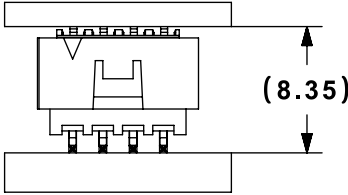
NOTES:

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: Adding new part numbers				molex							
mm		NTS													
GENERAL TOLERANCES (UNLESS SPECIFIED)				2MM DUAL ROW VERTICAL RECEPTACLE, SMT											
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3 PLACES		± 0													
2 PLACES		± 0.25		INITIAL REVISION: DRWN: ATSEE 24-Jul-2014 APPR: LBLEE 01-Aug-2014				DOCUMENT NUMBER				DOC TYPE	DOC PART	REVISION	
1 PLACE		± 0.38						SDA-79109-XXXX				PSD	001	N12	
0 PLACES		± 0													
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						A3-SIZE		79109				GENERAL MARKET		9 OF 10	

DOCUMENT STATUS	Production	RELEASE DATE	08-Jun-2026	04:55:11
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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	

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

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

CURRENT REV DESC: Adding new part numbers

EC NO: CO-000042098
DRWN: Meghraj Boodagatti 22-Apr-2026
CHK'D: Meghraj Boodagatti 08-Jun-2026
APPR: Saravanakumar Murugesan 08-Jun-2026

INITIAL REVISION:
DRWN: ATSEE 24-Jul-2014
APPR: LBLEE 01-Aug-2014

THIRD ANGLE PROJECTION

DRAWING

SERIES

2MM DUAL ROW VERTICAL RECEPTACLE, SMT

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

SDA-79109-XXXX

DOC TYPE

PSD

DOC PART

001

REVISION

N12

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

A3-SIZE

79109

GENERAL MARKET

10 OF 10

DOCUMENT STATUS

Production

RELEASE DATE

08-Jun-2026 04:55:11

FORMAT: master-lb-prod-A3

REVISION: 11

DATE: 2021/05/01