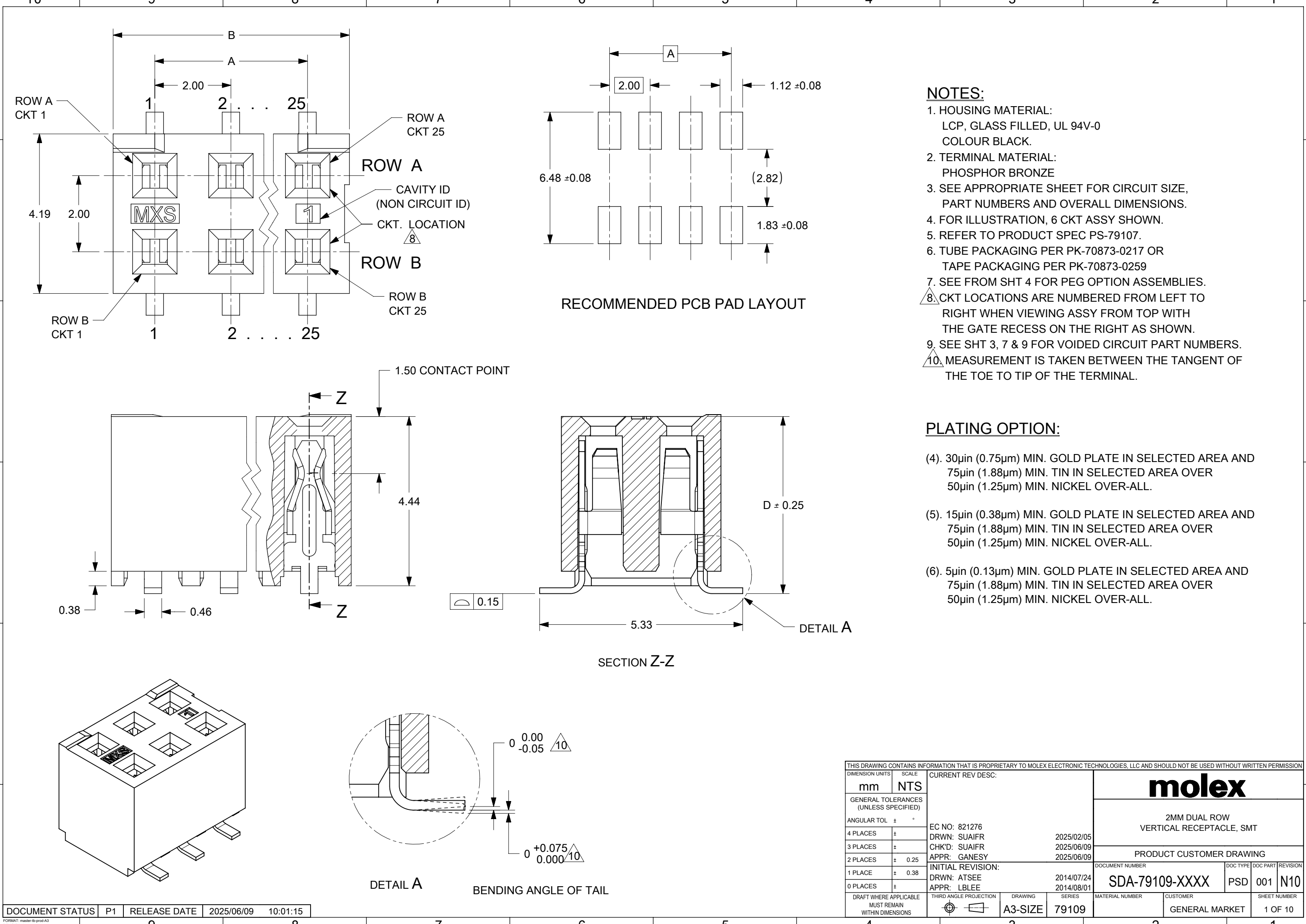




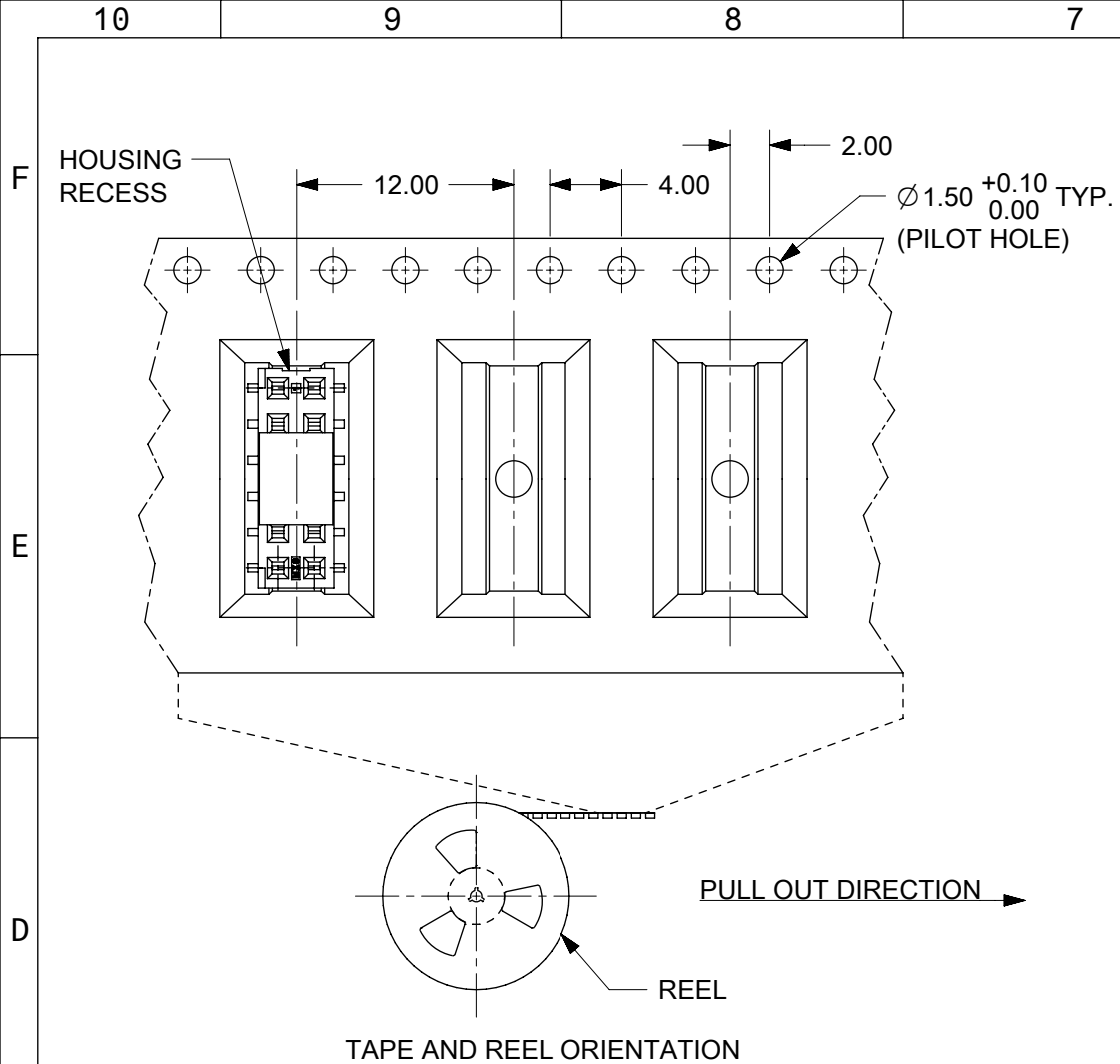
NOTES:

- 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:				molex					
mm		NTS											
GENERAL TOLERANCES (UNLESS SPECIFIED)				2MM DUAL ROW VERTICAL RECEPTACLE, SMT									
ANGULAR TOL ± °													
4 PLACES		±								EC NO: 821276			
3 PLACES		±								DRWN: SUAIFR			

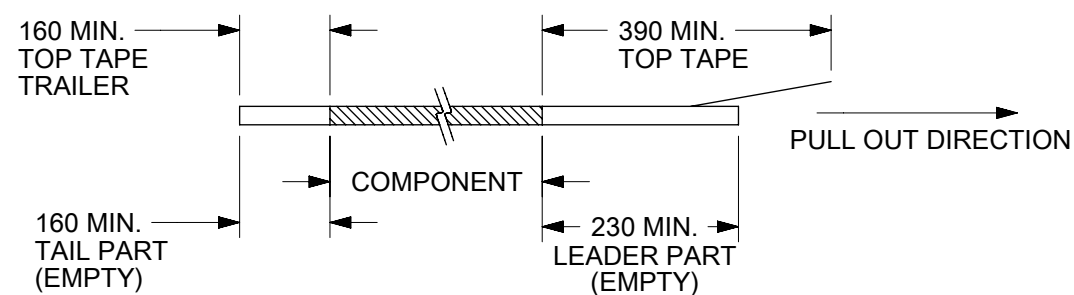


	6			5		4		3		2		1	
WITHOUT PEG OPTION													
CKT. SIZE	DIM. "A"	DIM. "B"	DIM. "D"	PLATING OPTION 5		PLATING OPTION 4		PLATING OPTION 6					
				ITEM NO. TUBE PACKED (WITHOUT CAP)	ITEM NO. TAPE PACKED (WITH CAP)	ITEM NO. TUBE PACKED (WITHOUT CAP)	ITEM NO. TAPE PACKED (WITH CAP)	ITEM NO. TUBE PACKED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

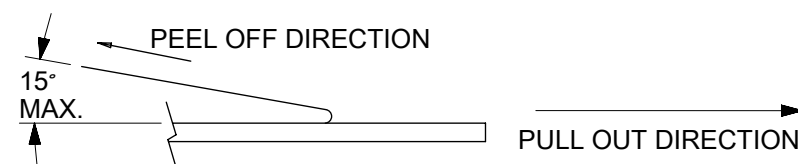
"X" INDICATES TOOLING NOT AVAILABLE.

NOTES:

1. LEADER AND TRAILER TAPE.



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



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

SPECIAL PACKAGING (TAPE PACKED WITHOUT CAP)

N10	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

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

ASSEMBLIES WITHOUT PEGS

VOIDED CIRCUIT OPTION

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

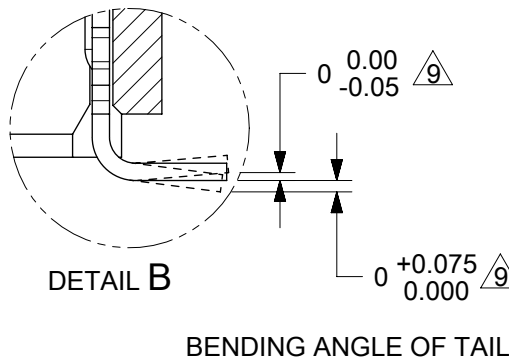
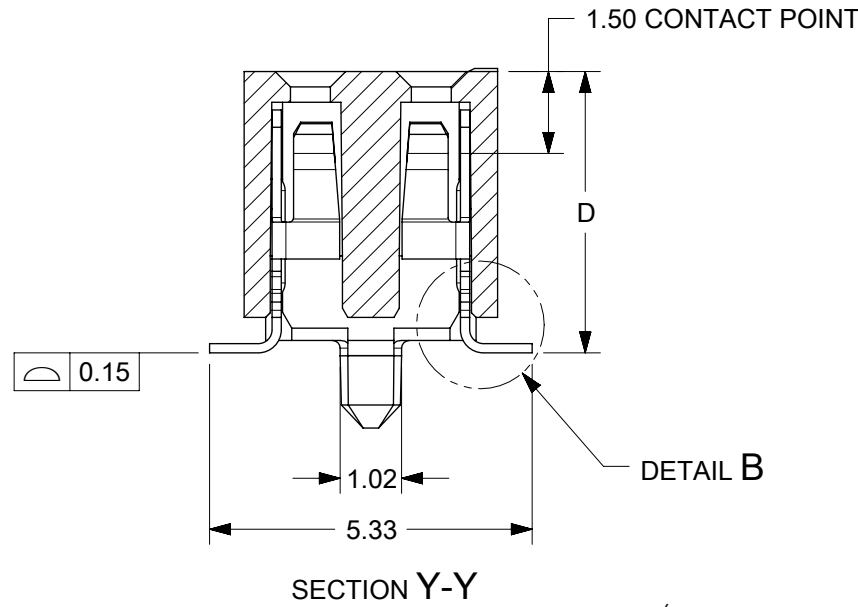
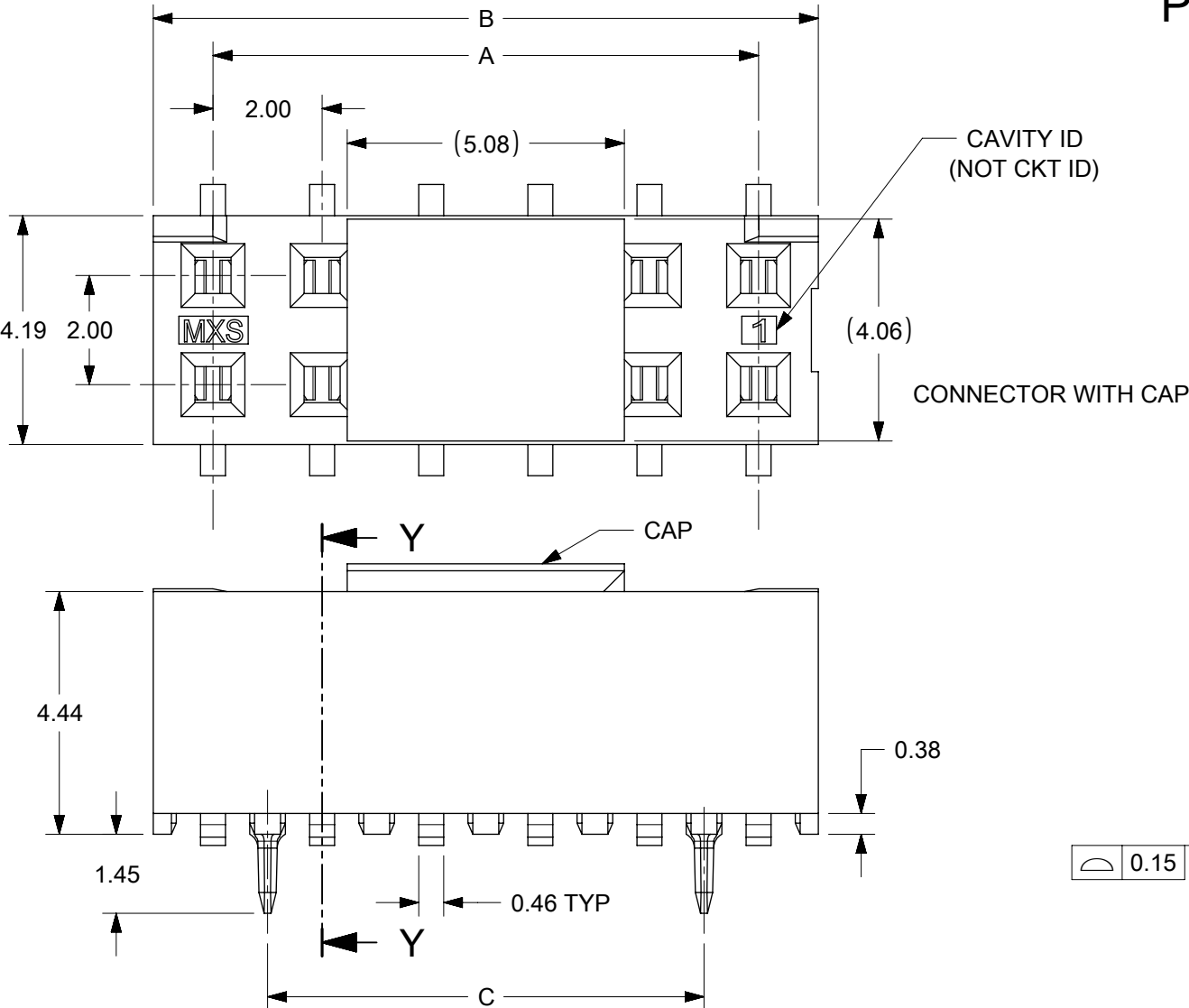
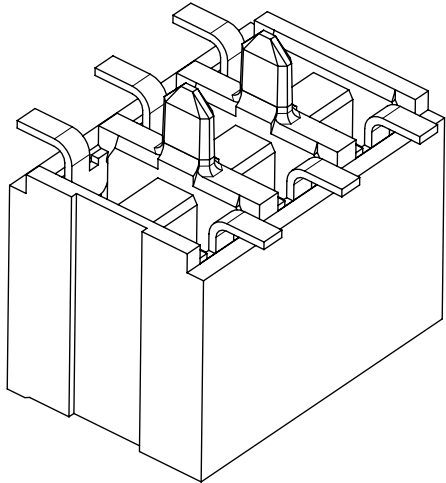
CKT. SIZE	ASSEMBLY (WITH CAP IN T&R)	VOID LOCATION(S) SEE SHEET 1 FOR CONVENTION		PLATING OPTION	DIM."A"	DIM."B"	DIM."D"
	PART NUMBER	ROW	CKT. NO.(S)				
50	79109-8924	A	13, 23	5	48.00	50.19	4.65
		B	23				

NOTES:

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

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

PEG OPTION

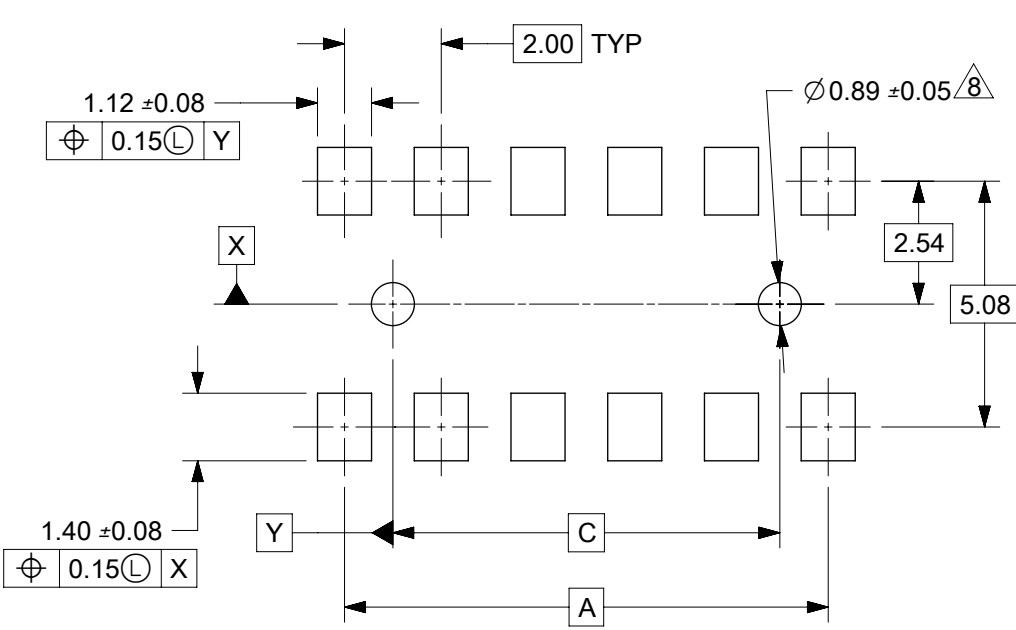
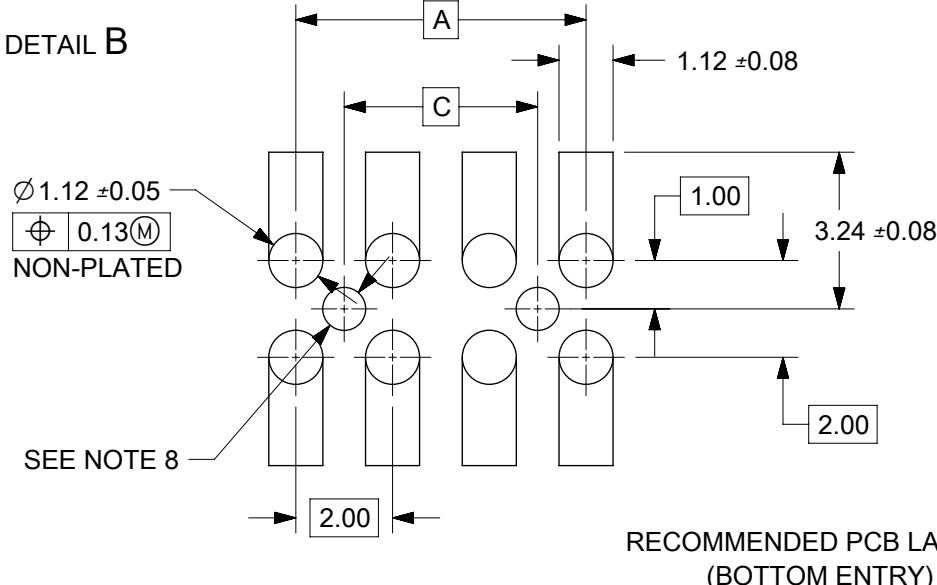


PLATING OPTION:

- (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)

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:			molex		
mm		NTS							
GENERAL TOLERANCES (UNLESS SPECIFIED)				2MM DUAL ROW VERTICAL RECEPTACLE, SMT					
ANGULAR TOL ± °									
4 PLACES		±		EC NO: 821276			PRODUCT CUSTOMER DRAWING		
3 PLACES		±		DRWN: SUAIFR					

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

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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

CHK'D: SUAIFR

APPR: GANESY

2025/02/05

2025/06/09

2025/06/09

INITIAL REVISION:

DRWN: ATSEE

APPR: LBLEE

2014/07/24

2014/08/01

THIRD ANGLE PROJECTION

DRAWING

SERIES

A3-SIZE

79109

DOCUMENT NUMBER

SDA-79109-XXXX

DOC TYPE

PSD

DOC PART

001

REVISION

N10

2MM DUAL ROW
VERTICAL RECEPTACLE, SMT

PRODUCT CUSTOMER DRAWING

MATERIAL NUMBER

CUSTOMER

GENERAL MARKET

SHEET NUMBER

6 OF 10

DOCUMENT STATUS

P1

RELEASE DATE

2025/06/09

10:01:15

987654321

A

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

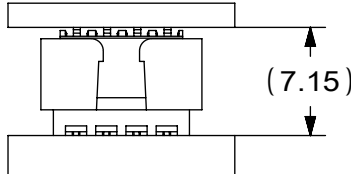
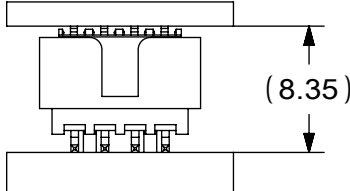
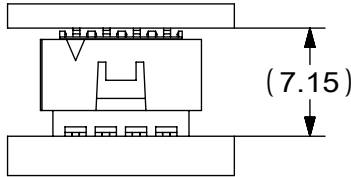
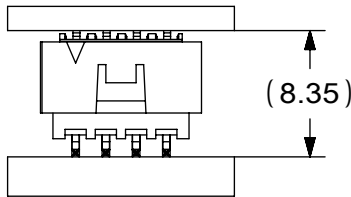
'X' INDICATES TOOLING NOT AVAILABLE.

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:				molex 2MM DUAL ROW VERTICAL RECEPTACLE, SMT PRODUCT CUSTOMER DRAWING									
mm		NTS															
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 821276 DRWN: SUAIFR CHK'D: SUAIFR APPR: GANESY								2025/02/05 2025/06/09 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 MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER			
						A3-SIZE		79109				GENERAL MARKET		9 OF 10			

BOARD TO BOARD (BTB) DISTANCE

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

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DIMENSION UNITS		SCALE		CURRENT REV DESC:				molex			
mm		NTS									
GENERAL TOLERANCES (UNLESS SPECIFIED)				2MM DUAL ROW VERTICAL RECEPTACLE, SMT							
ANGULAR TOL. ± °											
4 PLACES		±		EC NO: 821276				PRODUCT CUSTOMER DRAWING			
3 PLACES		±		DRWN: SUAIFR							

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