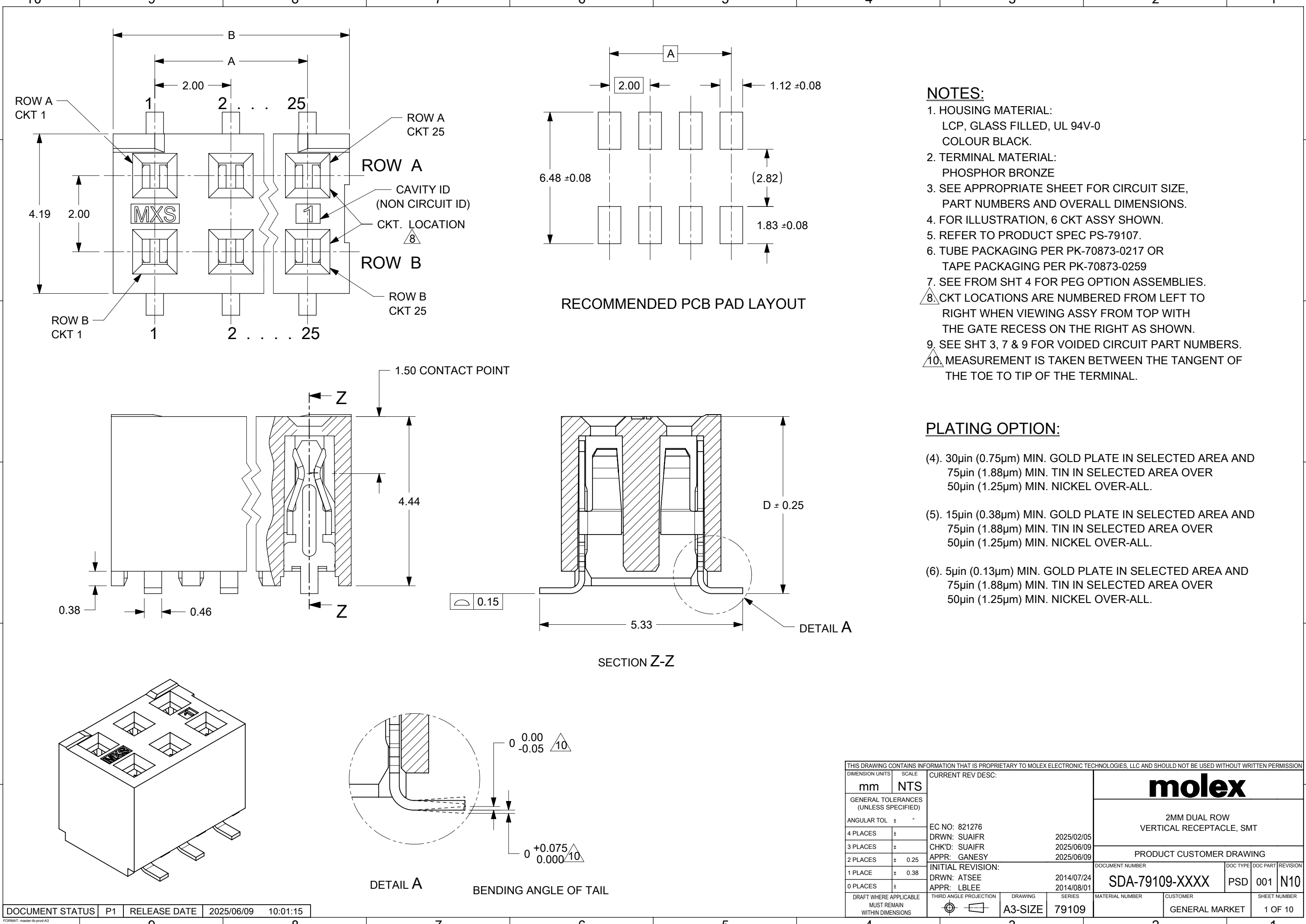


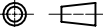


NOTES:

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

ASSEMBLIES WITHOUT PEGS

VOIDED CIRCUIT OPTION

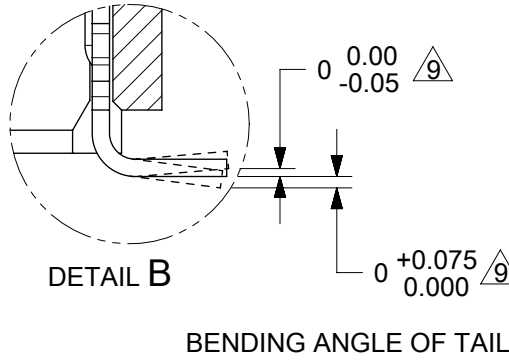
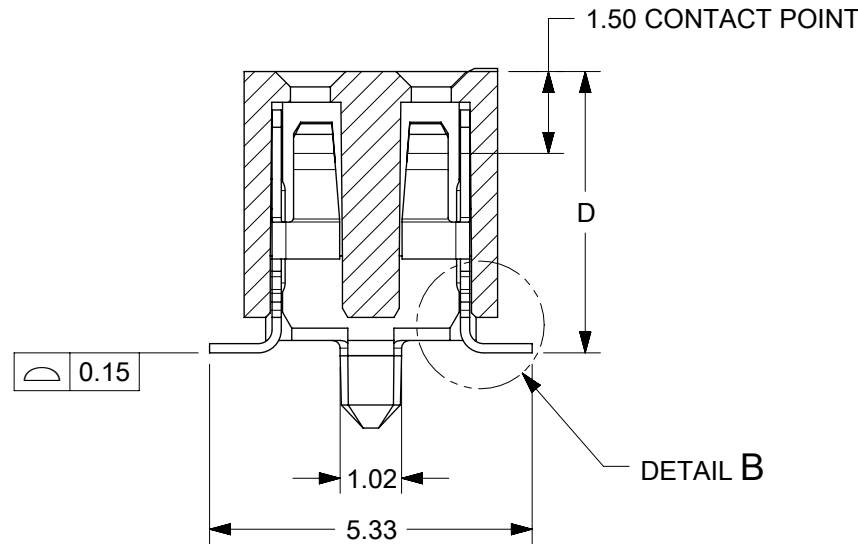
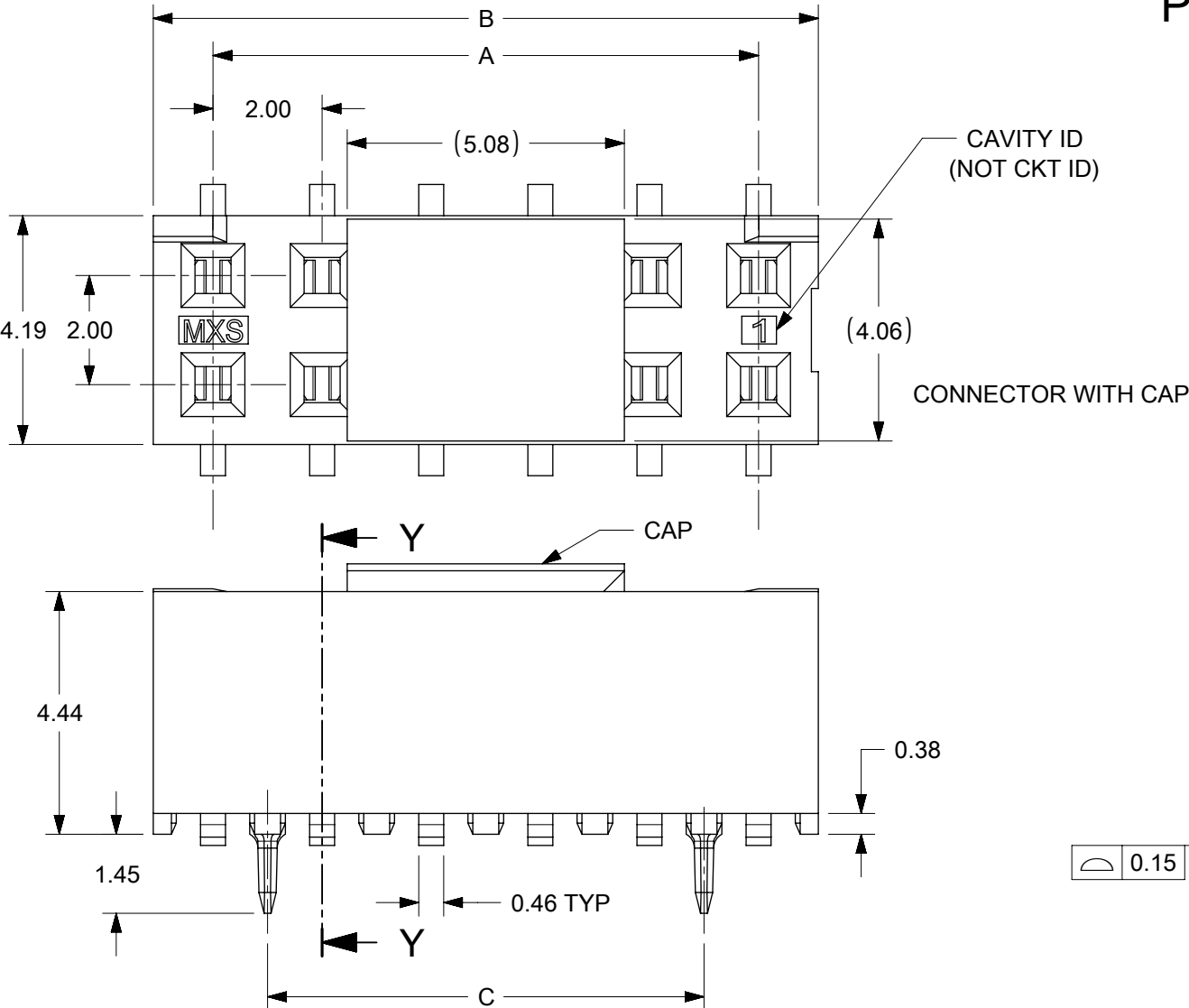
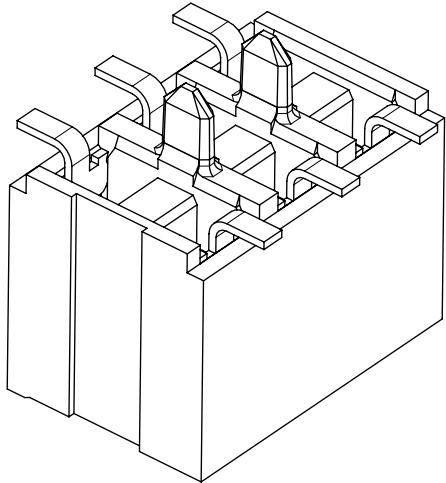
CKT. SIZE	ASSEMBLY (WITHOUT CAP IN TUBE)	VOID LOCATION(S) SEE SHEET 1 FOR CONVENTION		PLATING OPTION	DIM."A"	DIM."B"	DIM."D"
	PART NUMBER.	ROW	CKT. NO.(S)				
22	79109-5011	A	2	4	20.00	22.19	4.65
6	79109-5012	A	2	5	4.00	6.19	4.65

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:

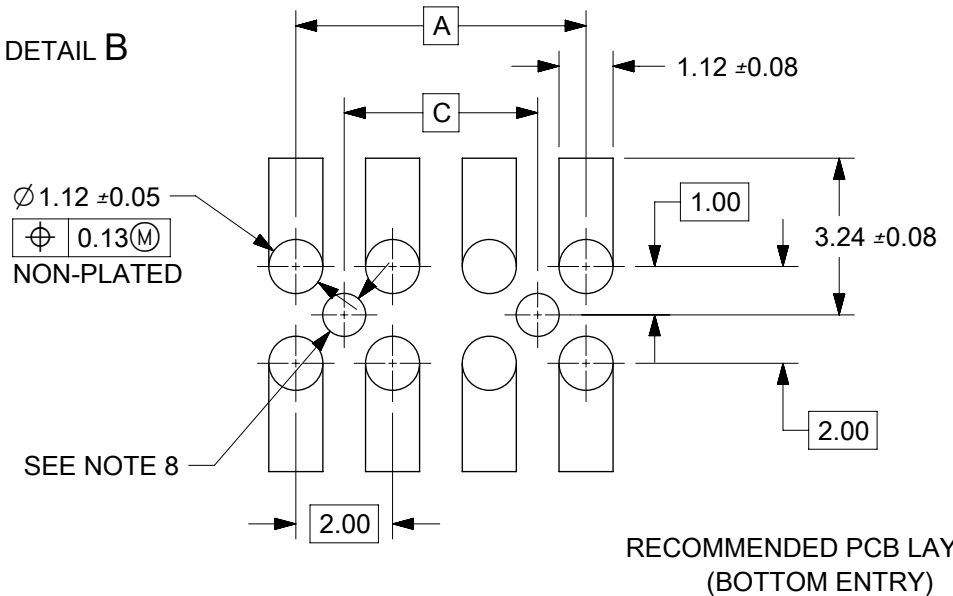
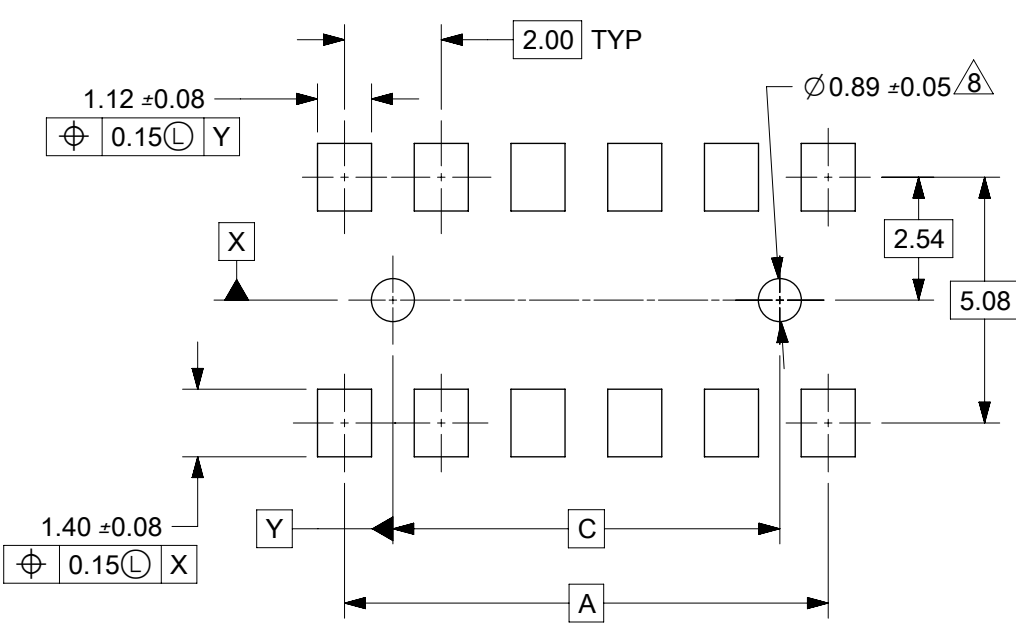
1. TERMINALS WILL BE PRESENT IN VOIDED LOCATIONS. HOWEVER, PIN WINDOWS WILL BE CLOSED.
2. VOIDS CAN ONLY BE PRESENT IN ONE ROW OF A CONNECTOR.

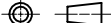
PEG OPTION



- 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.



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							
mm		NTS												
GENERAL TOLERANCES (UNLESS SPECIFIED)														
ANGULAR TOL		± °												
4 PLACES		±		EC NO: 821276			PRODUCT CUSTOMER DRAWING							
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			DOCUMENT NUMBER SDA-79109-XXXX							
0 PLACES		±		INITIAL REVISION:						DOC TYPE	DOC PART	REVISION		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION			DRAWING					SERIES		MATERIAL NUMBER	CUSTOMER	
					A3-SIZE		79109				GENERAL MARKET		4 OF 10	

molex

2MM DUAL ROW
VERTICAL RECEPTACLE, SMT

PRODUCT CUSTOMER DRAWING

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

INITIAL REVISION:
DRWN: ATSEE
APPR: LBLEE

THIRD ANGLE PROJECTION

DRAWING
A3-SIZE

SERIES
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

2025/02/05
2025/06/09
2025/06/09

2014/07/24
2014/08/01

DOCUMENT STATUS

P1

RELEASE DATE

2025/06/09

10:01:15

9

8

7

6

5

4

3

2

1

ASSEMBLIES WITH 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."C"	DIM."D"
	ITEM NO.	ROW	CKT. NO.(S)					
48	79109-6011	ROW A	1, 24	5	46.00	48.19	44.00	4.65
44	79109-6012	ROW B	10	5	42.00	44.19	42.00	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.

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

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:

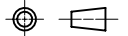
EC NO: 821276
DRWN: SUAIFR
CHK'D: SUAIFR
APPR: GANESY

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

A3-SIZE

SERIES

79109

MATERIAL NUMBER

CUSTOMER

GENERAL MARKET

SHEET NUMBER

7 OF 10

molex

2MM DUAL ROW
VERTICAL RECEPTACLE, SMT

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

SDA-79109-XXXX

DOC TYPE

PSD

DOC PART

001

REVISION

N10

FORMAT: master-B-prod-A3
REVISION: J
DATE: 2020/01/14

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

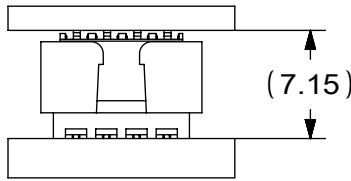
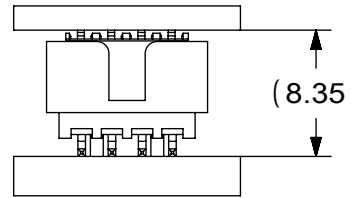
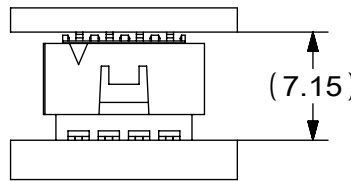
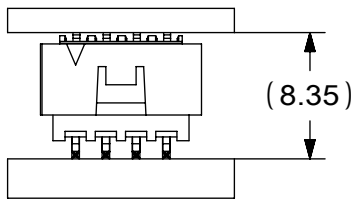
'X' INDICATES TOOLING NOT AVAILABLE.

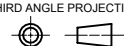
NOTES:

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			

	10	9	8	7	6	5	4	3	2	1	
F	BOARD TO BOARD (BTB) DISTANCE										F
E											
D											
C											
B											
A											

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

DOCUMENT STATUS	P1	RELEASE DATE	2025/06/09	10:01:15					
	9	8	7	6	5	4	3	2	1
FORMAT: master-tb-prod-A3 REVISION: J DATE: 2020/01/14									