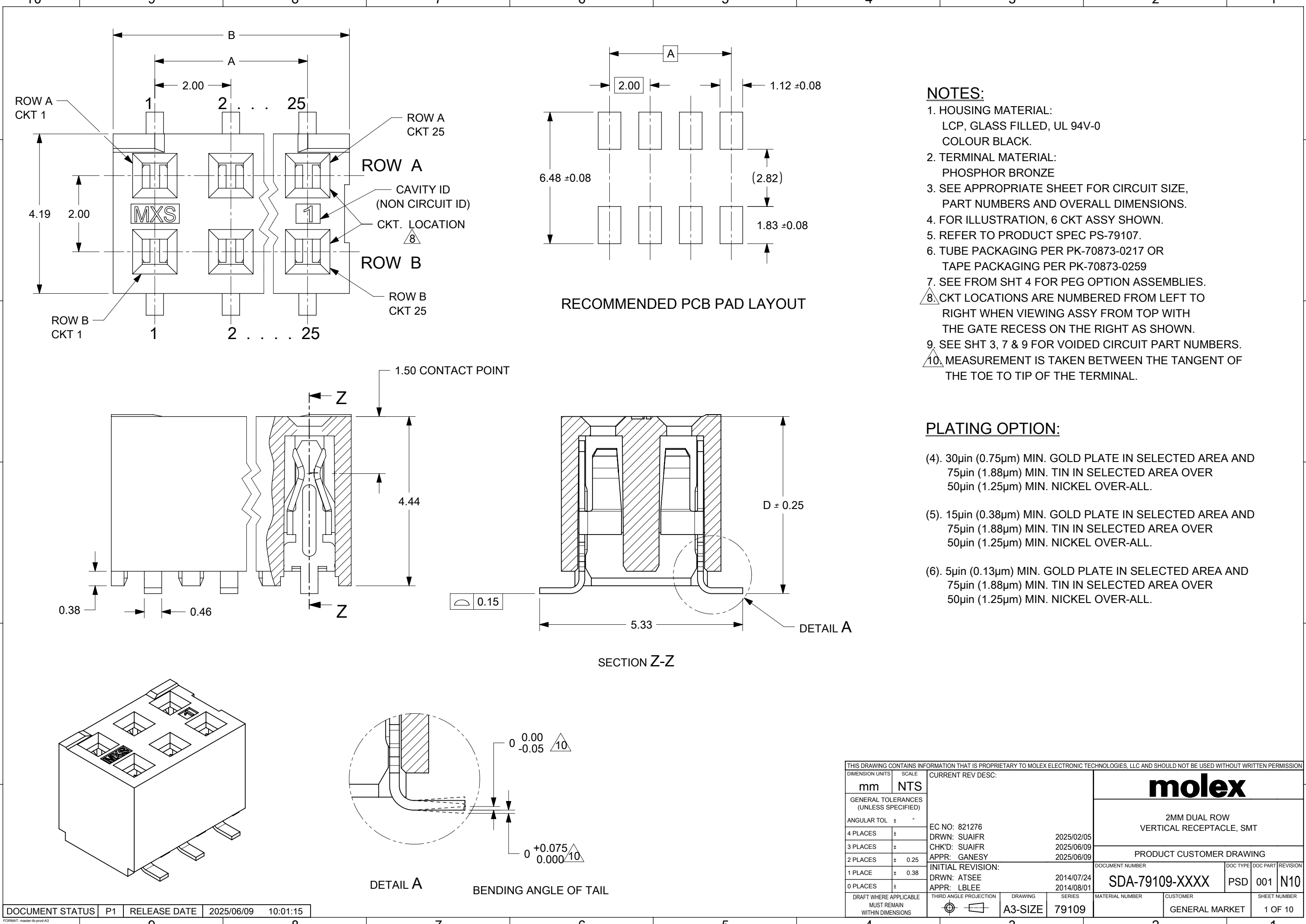




NOTES:

- 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		molex 2MM DUAL ROW VERTICAL RECEPTACLE, SMT PRODUCT CUSTOMER DRAWING					
GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL ± °									
4 PLACES		±							
3 PLACES		±							
2 PLACES		± 0.25		DOCUMENT NUMBER SDA-79109-XXXX DOC TYPE PSD DOC PART 001 REVISION N10					
1 PLACE		± 0.38							
0 PLACES		±							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									
THIRD ANGLE PROJECTION									
				A3-SIZE		79109		CUSTOMER	
						GENERAL MARKET		SHEET NUMBER	
								1 OF 10	

A

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

ASSEMBLIES WITHOUT PEGS

VOIDED CIRCUIT OPTION

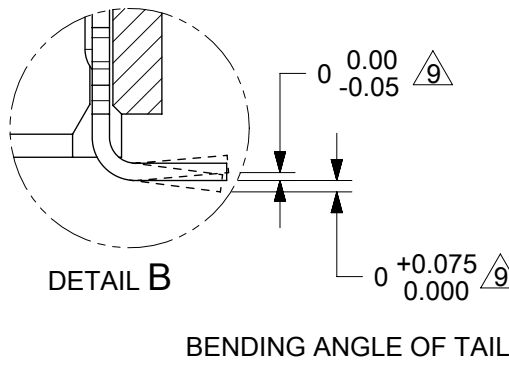
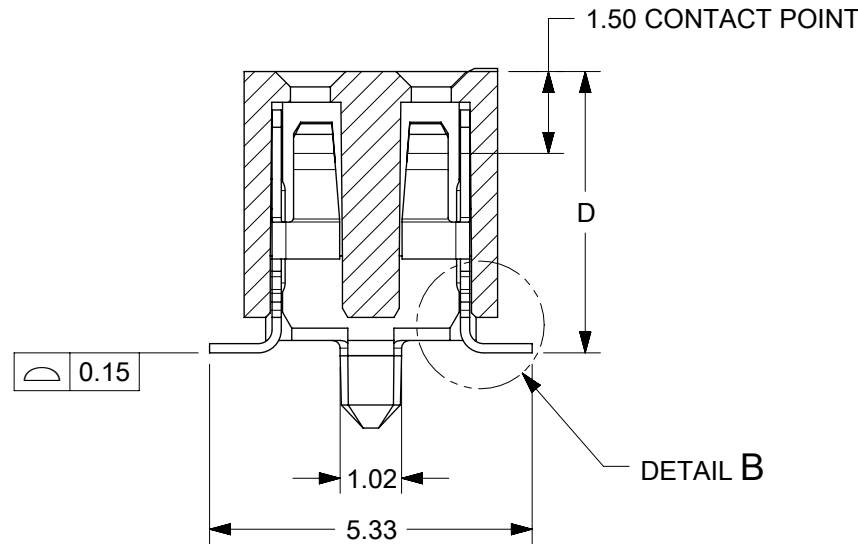
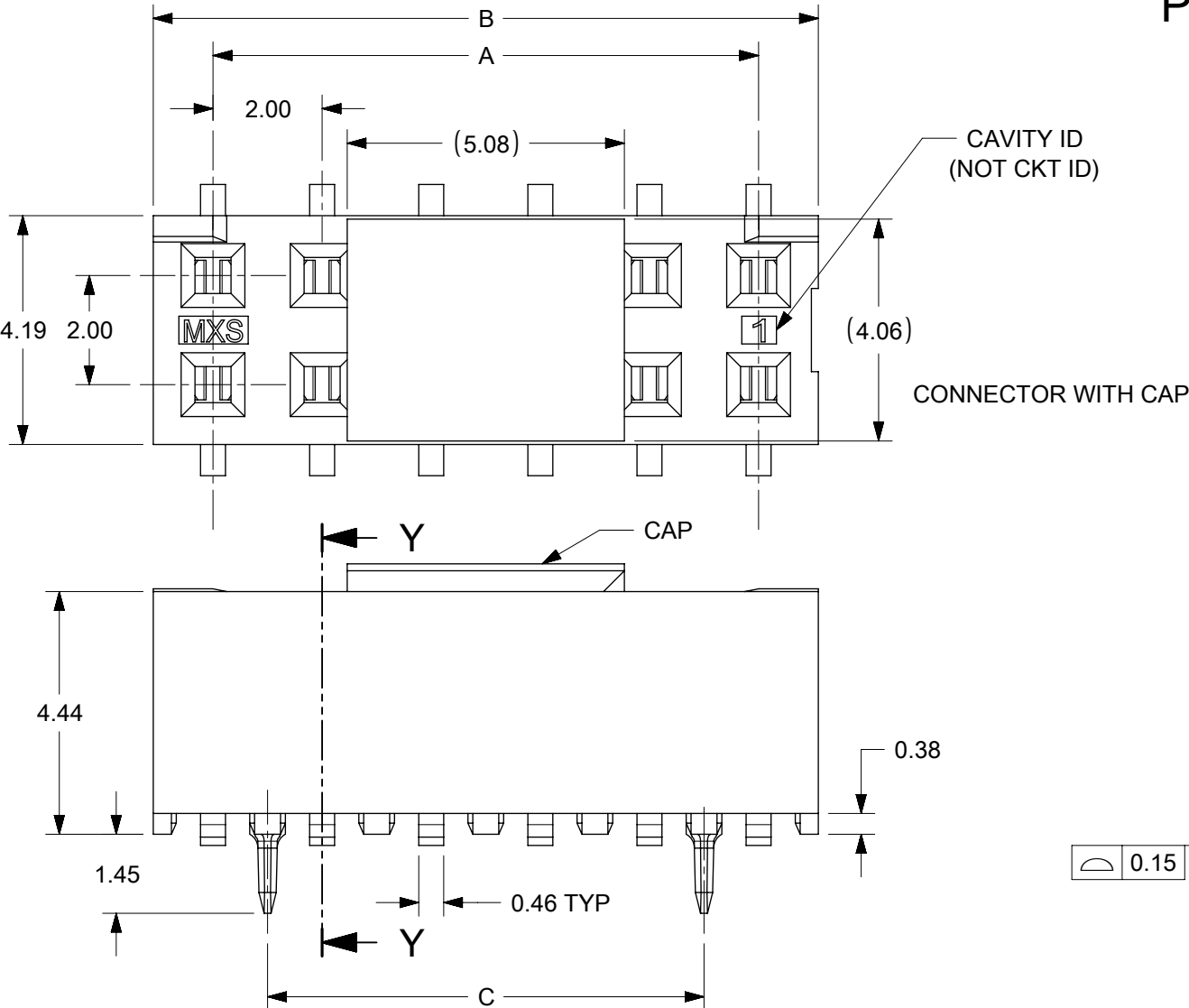
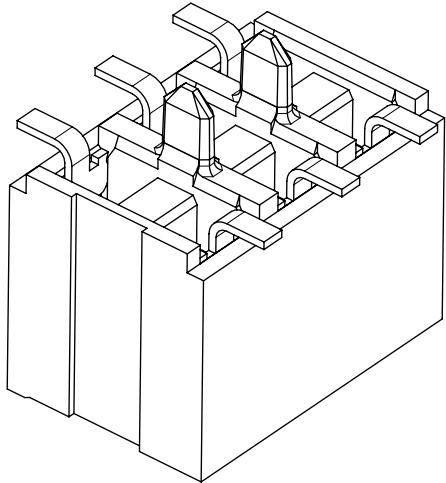
CKT. SIZE	ASSEMBLY (WITHOUT CAP IN TUBE)	VOID LOCATION(S) SEE SHEET 1 FOR CONVENTION		PLATING OPTION	DIM."A"	DIM."B"	DIM."D"
	PART NUMBER.	ROW	CKT. NO.(S)				
22	79109-5011	A	2	4	20.00	22.19	4.65
6	79109-5012	A	2	5	4.00	6.19	4.65

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:

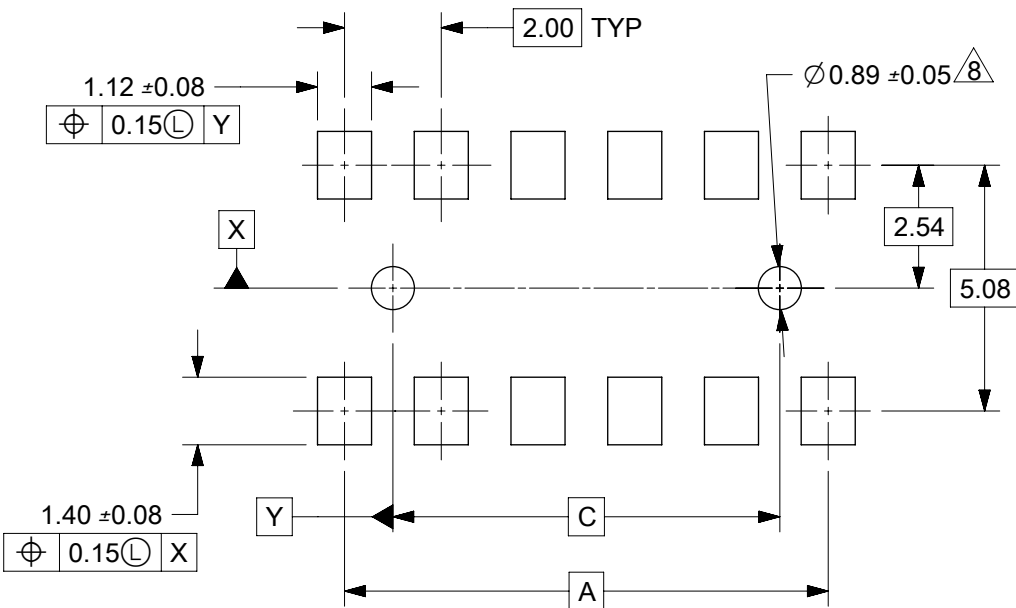
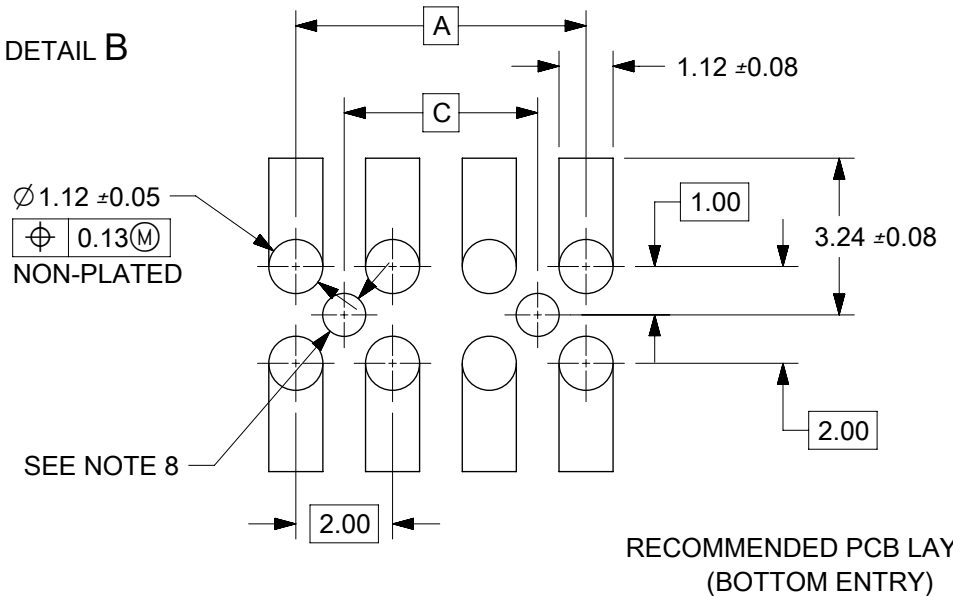
1. TERMINALS WILL BE PRESENT IN VOIDED LOCATIONS. HOWEVER, PIN WINDOWS WILL BE CLOSED.
2. VOIDS CAN ONLY BE PRESENT IN ONE ROW OF A CONNECTOR.

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.



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

INITIAL REVISION:
DRWN: ATSEE
APPR: LBLEE

THIRD ANGLE PROJECTION

DRAWING
A3-SIZE

SERIES
79109

DOCUMENT NUMBER

SDA-79109-XXXX

CUSTOMER

GENERAL MARKET

DOC TYPE

PSD

DOC PART

001

REVISION

N10

SHEET NUMBER

6 OF 10

2MM DUAL ROW
VERTICAL RECEPTACLE, SMT

PRODUCT CUSTOMER DRAWING

DOCUMENT STATUS

P1

RELEASE DATE

2025/06/09

10:01:15

10987654321

F

E

D

C

B

A

SPECIAL - CUSTOM TERMINAL FEET

VOIDED CURCUIT OPTION

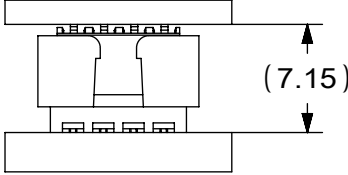
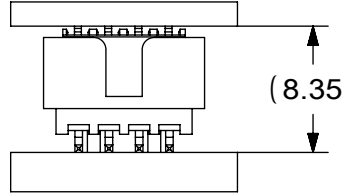
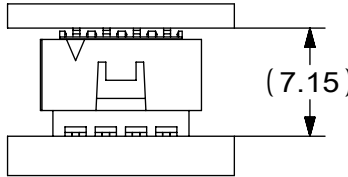
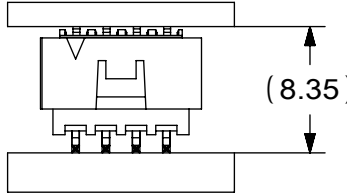
CKT. SIZE	ASSEMBLY			VOID LOCATION(S) SEE SHEET 1 FOR CONVENTION		PLATING OPTION	DIM."A"	DIM."B"	DIM."C"	DIM."D"	PEG OPTION
	ITEM NO. TUBE PACKED (WITHOUT CAP)		ITEM NO. TAPE PACKED (WITH CAP)	ROW	CKT. NO.(S)						
48	79109-7011	X	79109-8385	ROW A	1, 24	5	46.00	48.19	44.00	4.70	YES
42	79109-7012	X	79109-8386	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

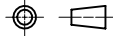
'X' INDICATES TOOLING NOT AVAILABLE.

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							
ANGULAR TOL		± °		INITIAL REVISION:				DOCUMENT NUMBER		DOC TYPE	
4 PLACES		±		DRWN: ATSEE				2014/07/24		PSD	
3 PLACES		±		APPR: LBLEE				2014/08/01		001	
2 PLACES		± 0.25								N10	
1 PLACE		± 0.38									
0 PLACES		±									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		SHEET NUMBER	
						A3-SIZE		79109		9 OF 10	
								MATERIAL NUMBER		CUSTOMER	
										GENERAL MARKET	

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							

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 2025/02/05 CHK'D: SUAIFR 2025/06/09 APPR: GANESY 2025/06/09				2MM DUAL ROW VERTICAL RECEPTACLE, SMT				
ANGULAR TOL ± °												
4 PLACES		±						PRODUCT CUSTOMER DRAWING				
3 PLACES		±										
2 PLACES		± 0.25										
1 PLACE		± 0.38		INITIAL REVISION: DRWN: ATSEE 2014/07/24 APPR: LBLEE 2014/08/01				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		10 OF 10	

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