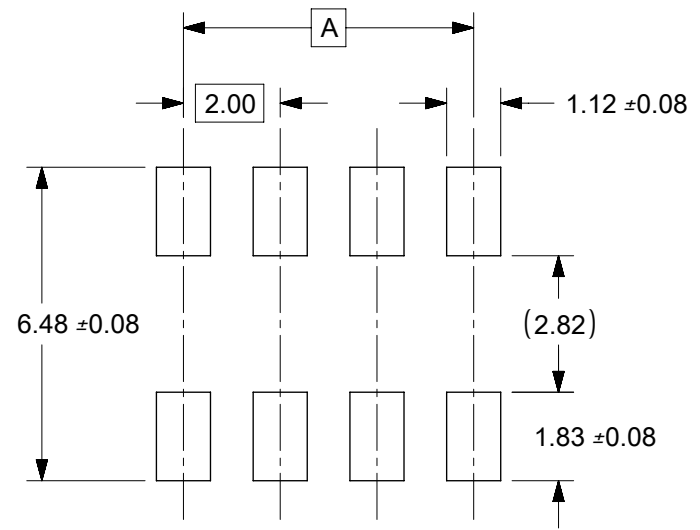
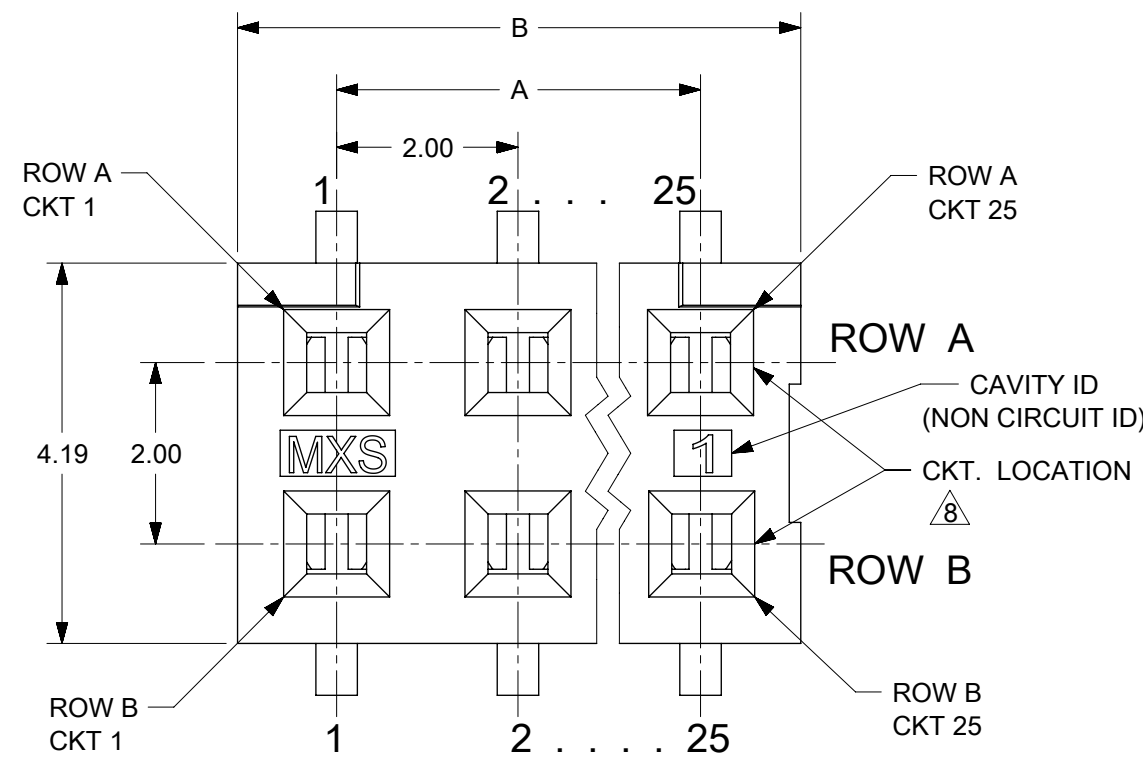
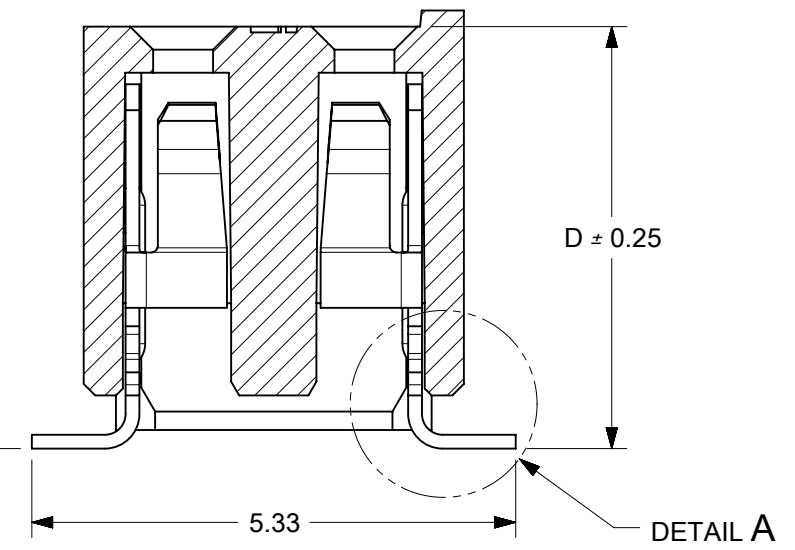
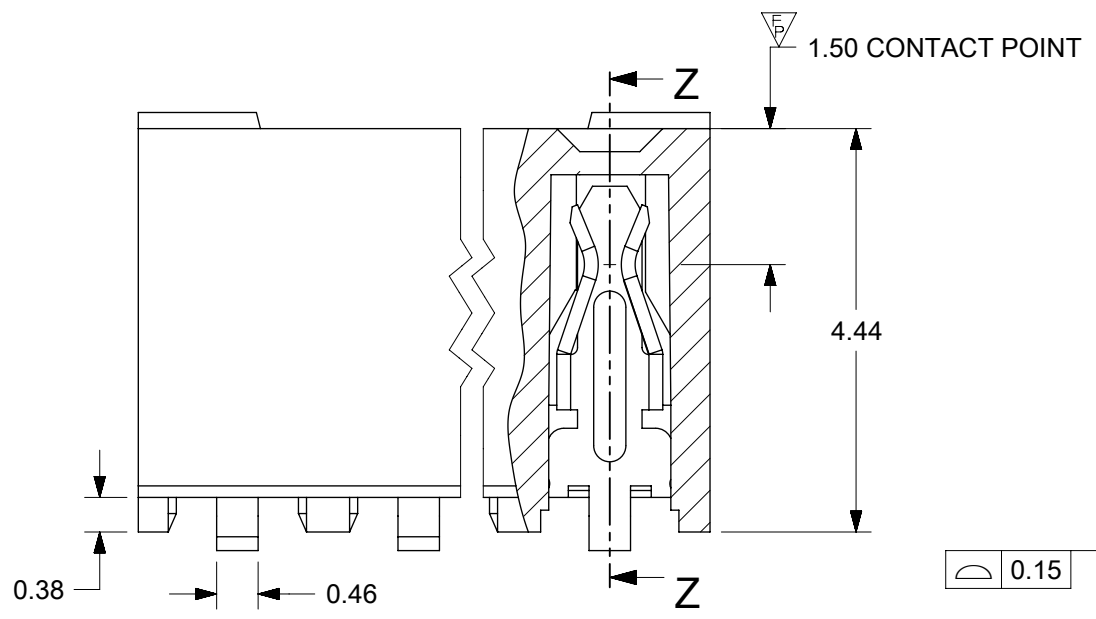
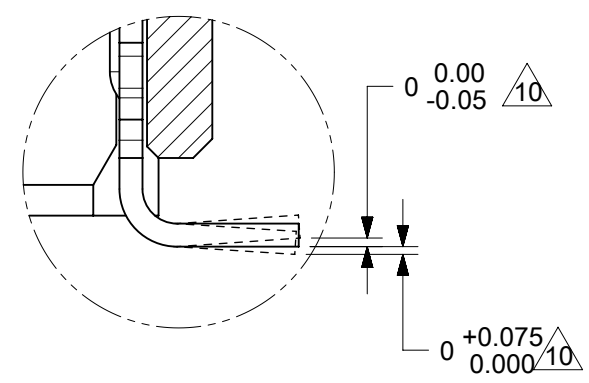
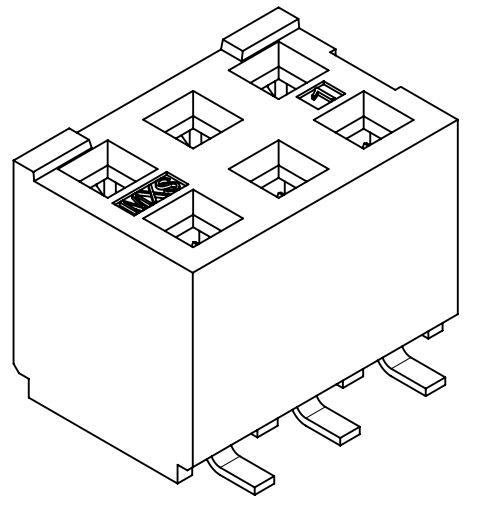




RECOMMENDED PCB PAD LAYOUT



SECTION Z-Z



DETAIL A BENDING ANGLE OF TAIL

NOTES:

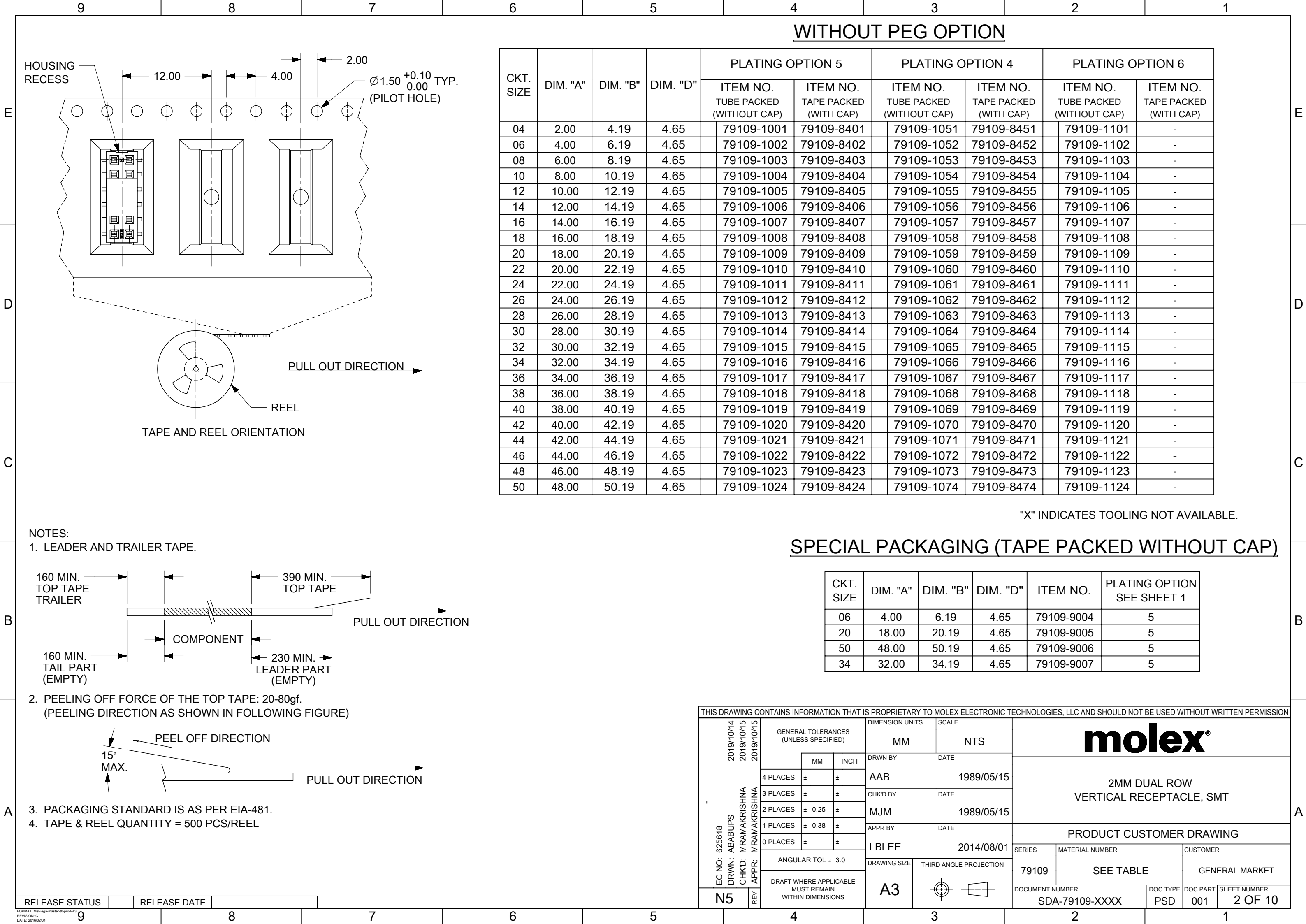
1. HOUSING MATERIAL:
LCP, GLASS FILLED, UL 94V-0
COLOUR BLACK.
2. TERMINAL MATERIAL:
PHOSPHOR BRONZE
3. SEE APPROPRIATE SHEET FOR CIRCUIT SIZE,
PART NUMBERS AND OVERALL DIMENSIONS.
4. FOR ILLUSTRATION, 6 CKT ASSY SHOWN.
5. REFER TO PRODUCT SPEC PS-79107.
6. TUBE PACKAGING PER PK-70873-0217 OR
TAPE PACKAGING 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.

RELEASE STATUS	RELEASE DATE
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THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																		
EC NO: 625618 DRWN: ABABUPS CHK'D: MRAMAKRISHNA REV APPR: MRAMAKRISHNA	2019/10/14 2019/10/15 2019/10/15	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION UNITS		SCALE		molex®									
					MM		NTS											
			MM	INCH	DRWN BY		DATE		2MM DUAL ROW VERTICAL RECEPTACLE, SMT									
		4 PLACES	±	±	AAB		1989/05/15											
		3 PLACES	±	±	CHK'D BY		DATE											
		2 PLACES	± 0.25	±	MJM		1989/05/15											
		1 PLACES	± 0.38	±	APPR BY		DATE											
		0 PLACES	±	±	LBLEE		2014/08/01		PRODUCT CUSTOMER DRAWING									
		ANGULAR TOL ± 3.0			DRAWING SIZE		THIRD ANGLE PROJECTION							SERIES	MATERIAL NUMBER		CUSTOMER	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			A3									79109	SEE TABLE		GENERAL MARKET	
DOCUMENT NUMBER									DOC TYPE		DOC PART	SHEET NUMBER						
N5	REV								SDA-79109-XXXX		PSD	001	1 OF 10					



ASSEMBLIES WITHOUT PEGS

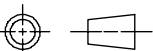
VOIDED CIRCUIT OPTION

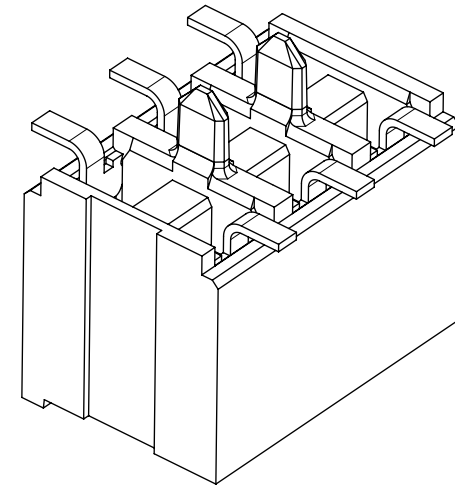
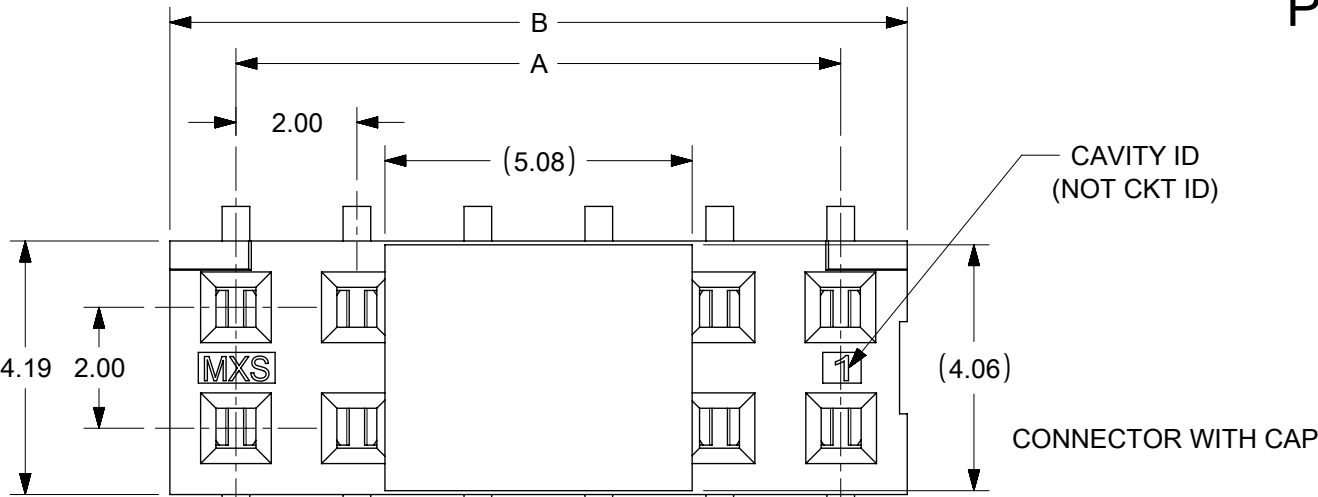
CKT. SIZE	ASSEMBLY (WITHOUT CAP IN TUBE)	VOID LOCATION(S) SEE SHEET 1 FOR CONVENTION		PLATING OPTION	DIM."A"	DIM."B"	DIM."D"
	PART NUMBER.	ROW	CKT. NO.(S)				
22	79109-5011	A	2	4	20.00	22.19	4.65
6	79109-5012	A	2	5	4.00	6.19	4.65

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.

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
EC NO: 625618 DRWN: ABABUPS CHK'D: MIRAMAKRISHINA APPR: MIRAMAKRISHINA	2019/10/14	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION UNITS MM		SCALE NTS		molex®						
	2019/10/15		MM	INCH	DRWN BY AAB		DATE 1989/05/15								
	2019/10/15	4 PLACES	±		±	CHK'D BY		DATE		2MM DUAL ROW VERTICAL RECEPTACLE, SMT					
		3 PLACES	±		±	MJM		1989/05/15							
		2 PLACES	± 0.25		±	APPR BY		DATE							
		1 PLACES	± 0.38		±	LBLEE		2014/08/01							
		0 PLACES	±		±	DRAWING SIZE A3		THIRD ANGLE PROJECTION 							
		ANGULAR TOL ± 3.0			PRODUCT CUSTOMER DRAWING										
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SERIES 79109		MATERIAL NUMBER SEE TABLE				CUSTOMER GENERAL MARKET				
	N5	REV	DOCUMENT NUMBER SDA-79109-XXXX				DOC TYPE PSD		DOC PART 001		SHEET NUMBER 3 OF 10				

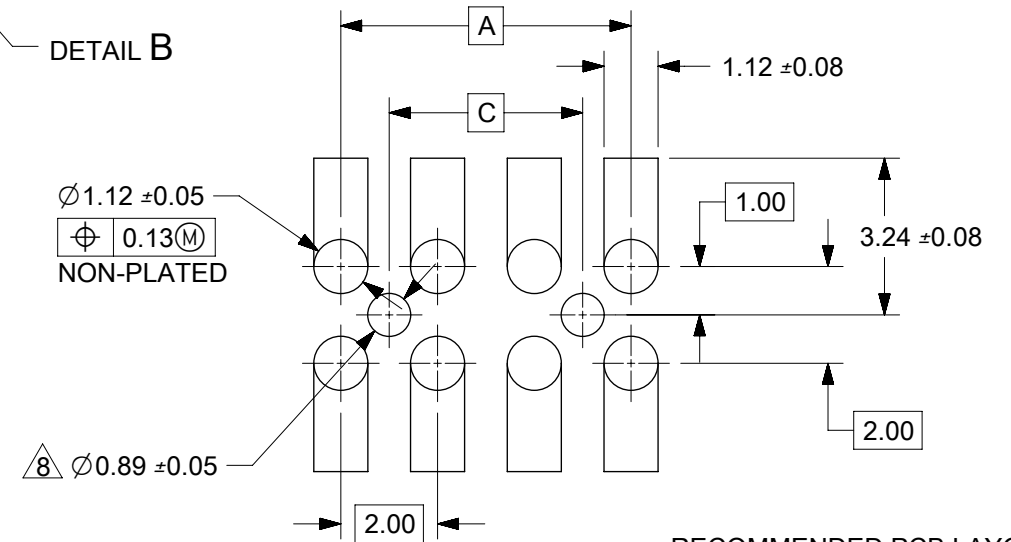
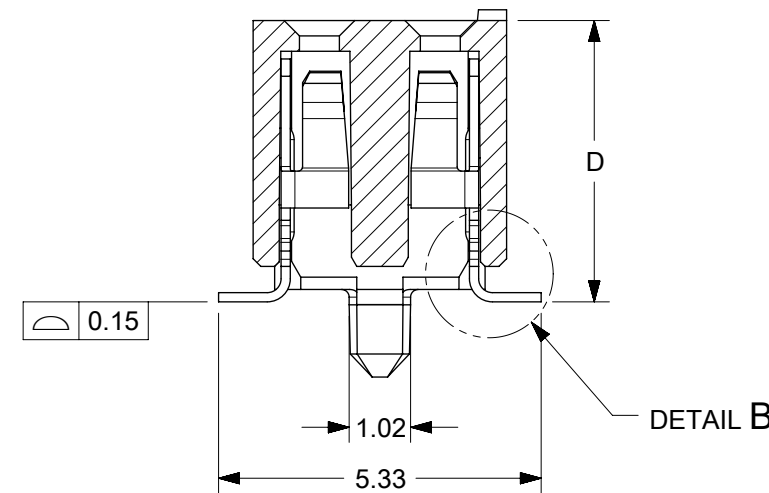
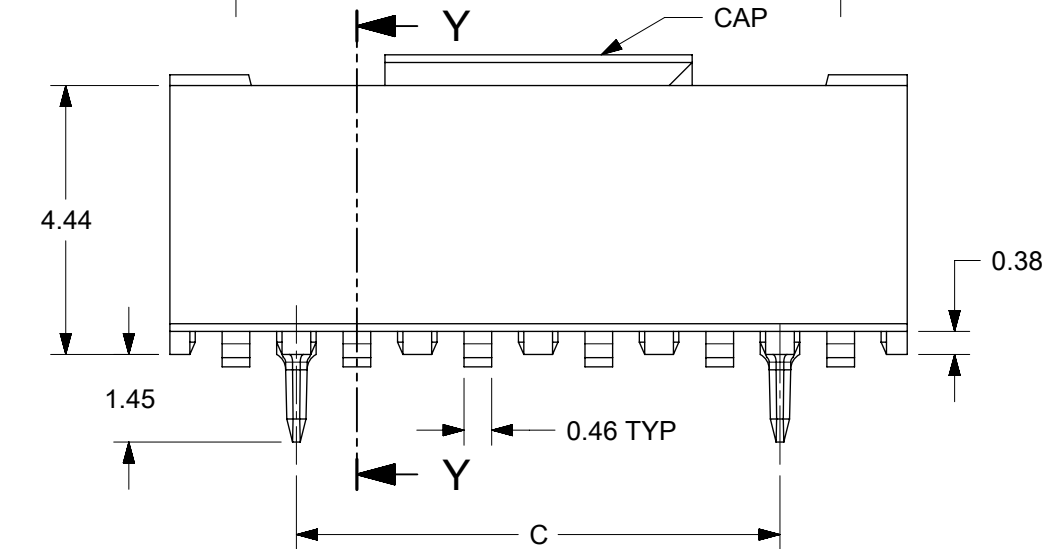


PLATING OPTION:

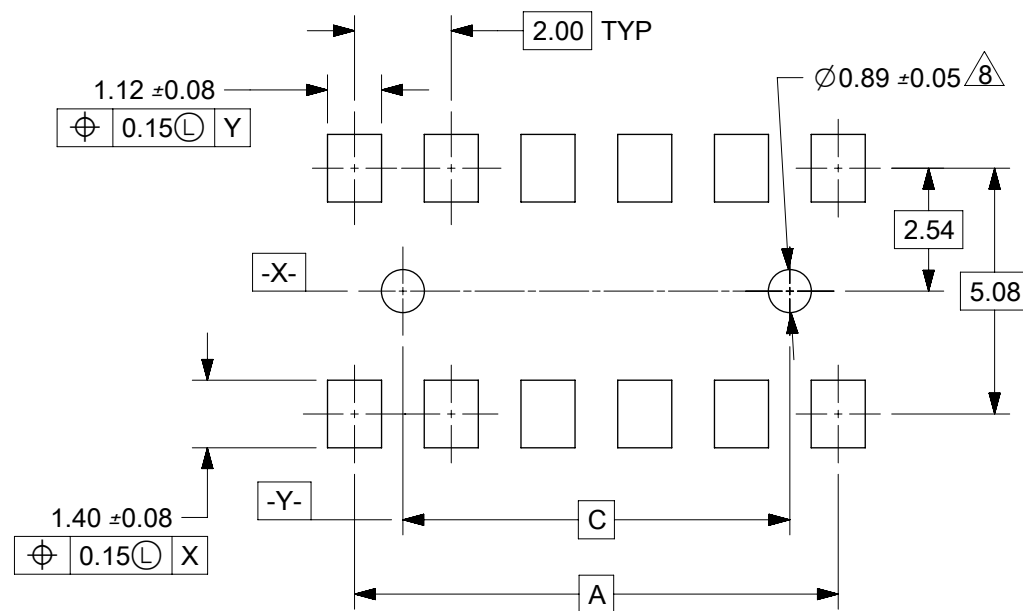
- (4). 30µin (0.75µm) MIN. GOLD PLATE IN SELECTED AREA AND 75µin (1.88µm) MIN. TIN IN SELECTED AREA OVER 50µin (1.25µm) MIN. NICKEL OVER-ALL.
- (5). 15µin (0.38µm) MIN. GOLD PLATE IN SELECTED AREA AND 75µin (1.88µm) MIN. TIN IN SELECTED AREA OVER 50µin (1.25µm) MIN. NICKEL OVER-ALL.
- (6). 5µin (0.13µm) 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 DIA FOR PRESS FIT ONLY. USE 0.99±0.05 FOR ALIGNMENT PURPOSES ON PICK AND PLACE.
9. MEASUREMENT IS TAKEN BETWEEN THE TANGENT OF THE TOE TO TIP OF THE TERMINAL.

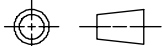


RECOMMENDED PCB LAYOUT (BOTTOM ENTRY)



RECOMMENDED PCB LAYOUT

BENDING ANGLE OF TAIL

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																
EC NO: 625618 DRWN: ABABUPS CHK'D: MRAMAKRISHNA REV APPR: MRAMAKRISHNA	2019/10/14 2019/10/15 2019/10/15	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION UNITS		SCALE		molex®							
			MM	INCH	MM		NTS									
		4 PLACES	±		±	AAB		1989/05/15		2MM DUAL ROW VERTICAL RECEPTACLE, SMT						
		3 PLACES	±		±	CHK'D BY		DATE								
		2 PLACES	±	0.25	±	MJM		1989/05/15								
		1 PLACES	±	0.38	±	APPR BY		DATE								
		0 PLACES	±		±	LBLEE		2014/08/01		PRODUCT CUSTOMER DRAWING						
		ANGULAR TOL ± 3.0			DRAWING SIZE		THIRD ANGLE PROJECTION		SERIES		MATERIAL NUMBER			CUSTOMER		
					A3				79109		SEE TABLE			GENERAL MARKET		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							DOCUMENT NUMBER			DOC TYPE		DOC PART		SHEET NUMBER
							SDA-79109-XXXX			PSD		001		4 OF 10		

PEG OPTION

SPECIAL PACKAGING (TAPE PACKED WITHOUT CAP)

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

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

EC NO: 625618 DRWN: ABABUPS CHK'D: MRAMAKRISHNA REV APPR: MRAMAKRISHNA	2019/10/14 2019/10/15 2019/10/15	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE		molex® 2MM DUAL ROW VERTICAL RECEPTACLE, SMT				
				MM		NTS						
				DRWN BY	DATE		PRODUCT CUSTOMER DRAWING					
		4 PLACES	±	±	AAB						1989/05/15	
		3 PLACES	±	±	CHK'D BY						DATE	
		2 PLACES	± 0.25	±	MJM						1989/05/15	
		1 PLACES	± 0.38	±	APPR BY		DATE		DOCUMENT NUMBER SDA-79109-XXXX			
		0 PLACES	±	±	LBLEE		2014/08/01					
		ANGULAR TOL ± 3.0		DRAWING SIZE	THIRD ANGLE PROJECTION		DOC TYPE					
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		A3				PSD		001		6 OF 10

RELEASE STATUS

RELEASE DATE

987654321

E

D

C

B

A

987654321

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

EC NO: 625618
DRWN: ABABUPS
CHK'D: MRAMAKRISHNA
REV
2019/10/14
2019/10/15
2019/10/15

GENERAL TOLERANCES
(UNLESS SPECIFIED)

MMINCH

4 PLACES±±

3 PLACES±±

2 PLACES± 0.25±

1 PLACES± 0.38±

0 PLACES±±

ANGULAR TOL ± 3.0

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION UNITS
MM

SCALE
NTS

DRWN BY
AAB

DATE
1989/05/15

CHK'D BY
MJM

DATE
1989/05/15

APPR BY
LBLEE

DATE
2014/08/01

DRAWING SIZE
A3

THIRD ANGLE PROJECTION

2MM DUAL ROW
VERTICAL RECEPTACLE, SMT

PRODUCT CUSTOMER DRAWING

SERIES
79109

MATERIAL NUMBER
SEE TABLE

CUSTOMER
GENERAL MARKET

DOCUMENT NUMBER
SDA-79109-XXXX

DOC TYPE
PSD

DOC PART
001

SHEET NUMBER
7 OF 10

RELEASE STATUS

RELEASE DATE

7654321

SPECIAL - CUSTOM TERMINAL FEET
VOIDED CURCUIT OPTION

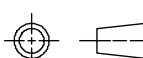
CKT. SIZE	ASSEMBLY			VOID LOCATION(S) SEE SHEET 1 FOR CONVENTION		PLATING OPTION	DIM."A"	DIM."B"	DIM."C"	DIM."D"	PEG OPTION	
	ITEM NO. TUBE PACKED (WITHOUT CAP)	ITEM NO. TAPE PACKED (WITH CAP)	ROW	CKT. NO.(S)								
48		79109-7011	X	79109-8385	ROW A	1, 24	5	46.00	48.19	44.00	4.70	YES
42		79109-7012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

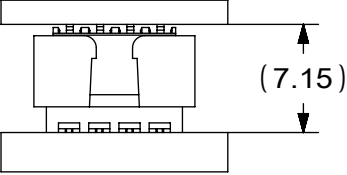
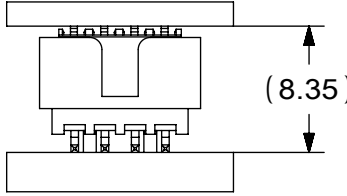
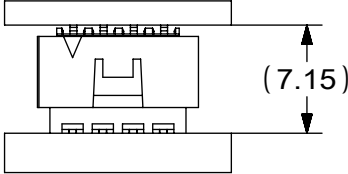
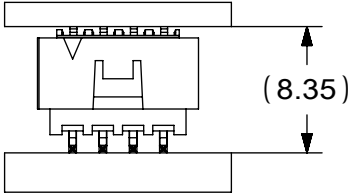
1. TERMINALS WILL BE PRESENT IN VOIDED LOCATIONS. HOWEVER, PIN WINDOWS WILL BE CLOSED.
2. VOIDS CAN ONLY BE PRESENT IN ONE ROW OF A CONNECTOR.

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

EC NO: 625618 DRWN: ABABUPS CHKD: MRAMAKRISHNA APPR: MRAMAKRISHNA		2019/10/14		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE		molex®							
		2019/10/15				MM		NTS									
		2019/10/15			MM	INCH	DRWN BY		DATE		2MM DUAL ROW VERTICAL RECEPTACLE, SMT						
				4 PLACES	±	±	AAB		1989/05/15								
				3 PLACES	±	±	CHK'D BY		DATE								
				2 PLACES	± 0.25	±	MJM		1989/05/15								
				1 PLACES	± 0.38	±	APPR BY		DATE								
				0 PLACES	±	±	LBLEE		2014/08/01		PRODUCT CUSTOMER DRAWING						
				ANGULAR TOL ± 3.0				DRAWING SIZE		THIRD ANGLE PROJECTION							SERIES
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				A3				79109		SEE TABLE		GENERAL MARKET	
		DOCUMENT NUMBER										DOC TYPE		DOC PART		SHEET NUMBER	
N5		REV								SDA-79109-XXXX		PSD		001		9 OF 10	

RELEASE STATUS		RELEASE DATE	
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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		CURRENT REV DESC:				molex 2MM DUAL ROW VERTICAL RECEPTACLE, SMT							
mm		1:1													
GENERAL TOLERANCES (UNLESS SPECIFIED)															
	MM		INCH												
4 PLACES	±		±	EC NO: 625618				DOCUMENT NUMBER				DOC TYPE	DOC PART	REVISION	
3 PLACES	±		±	DRWN: ABABUPS 2019/10/14											
2 PLACES	±	0.25	±	CHK'D: MRAMAKRISHNA 2019/10/15											
1 PLACE	±	0.38	±	APPR: MRAMAKRISHNA 2019/10/15				PRODUCT CUSTOMER DRAWING							
0 PLACES	±		±	INITIAL REVISION:				SDA-79109-XXXX				PSD	001	N5	
ANGULAR TOL ± 3.0 °				DRWN: DRWN BY XXXX/XX/XX				MATERIAL NUMBER				CUSTOMER		SHEET NUMBER	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		GENERAL MARKET		10 OF 10			

A3-SIZE

79109

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

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[79109-6012](#)