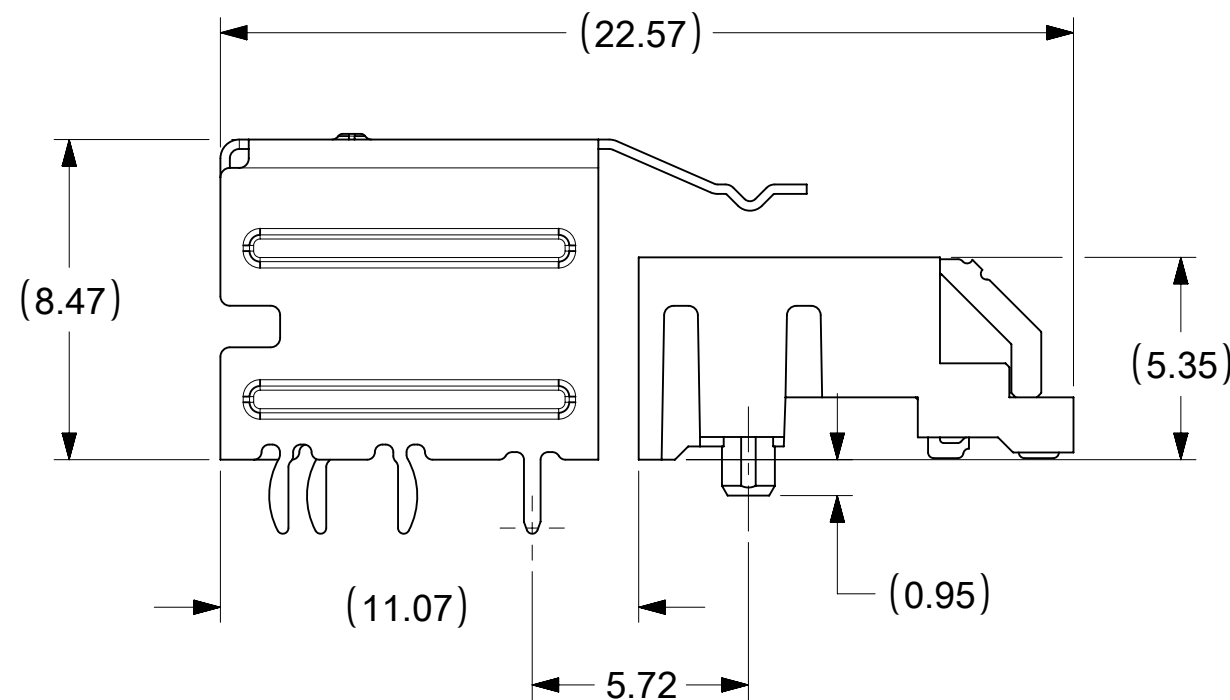
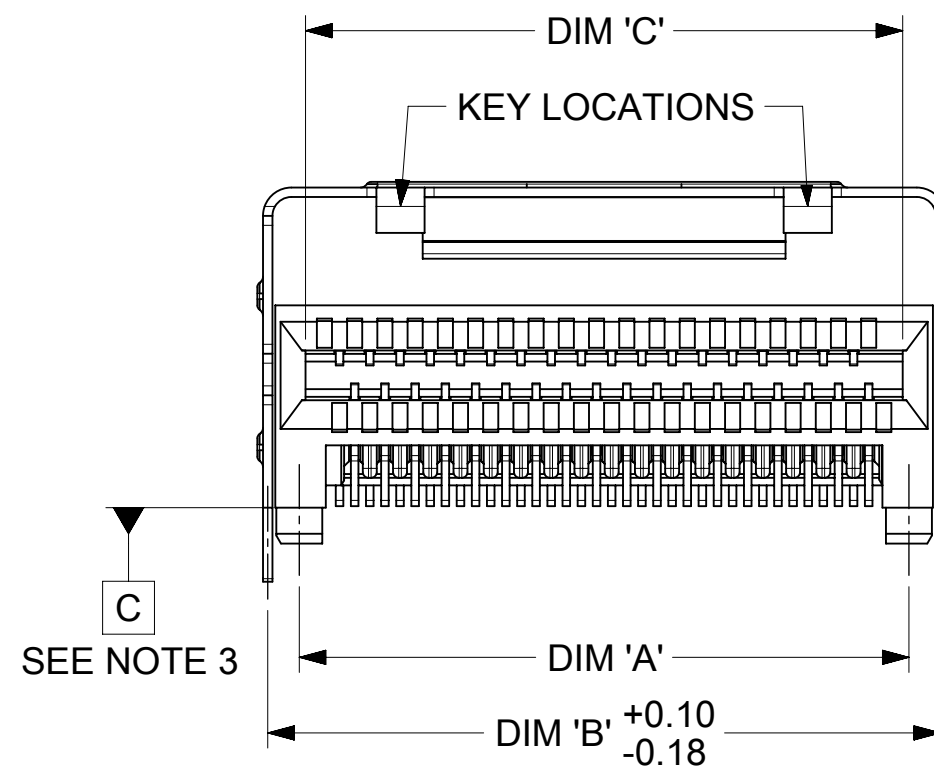
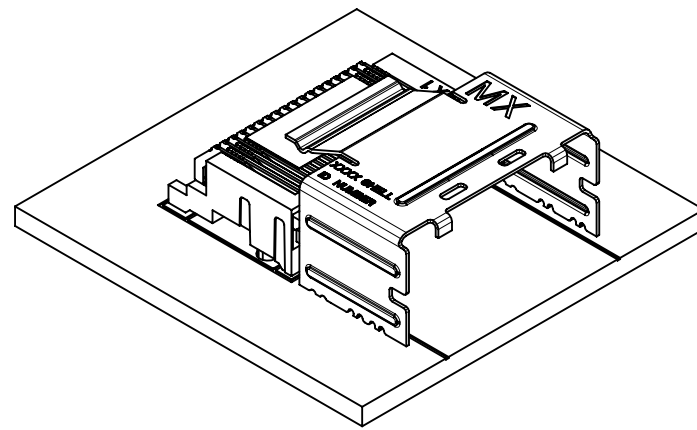
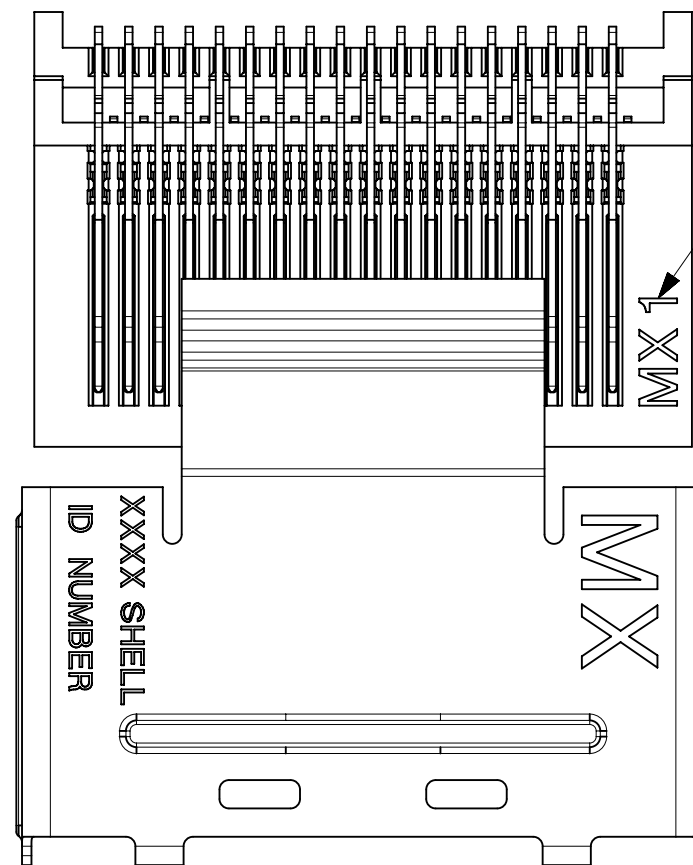
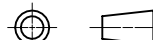




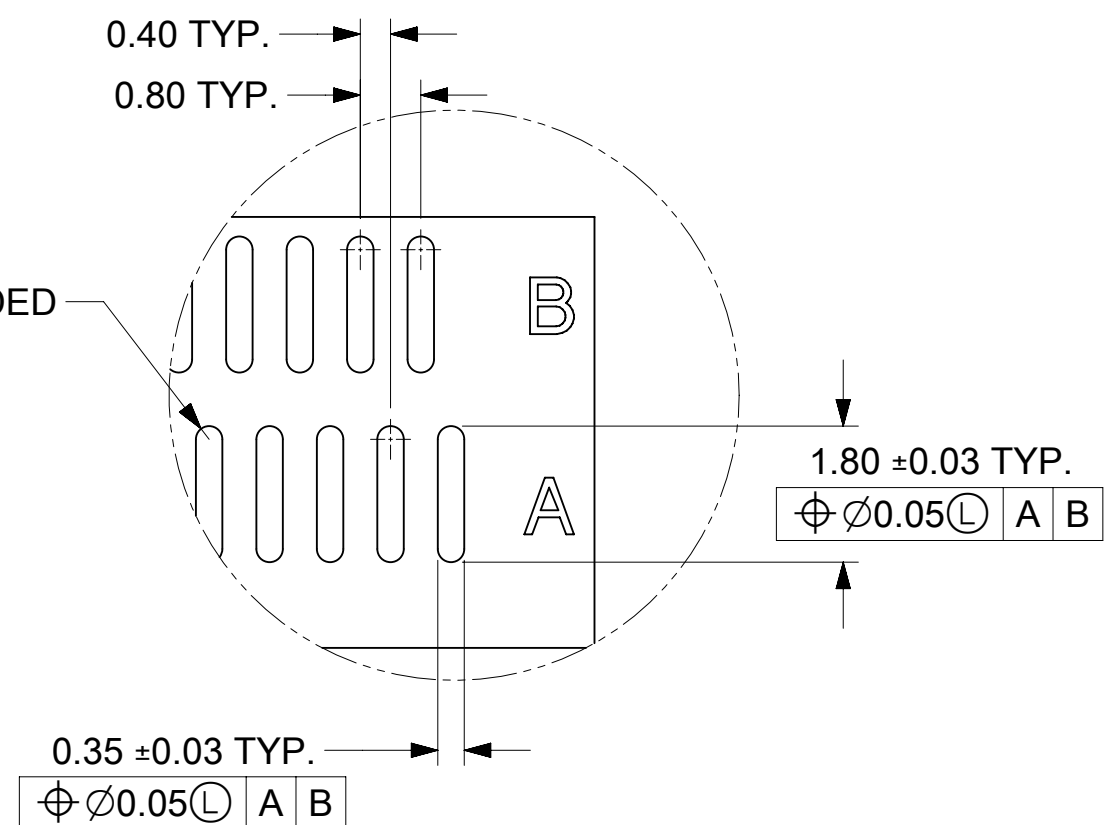
CIRCUIT SIZE	DIM 'A'	DIM 'B'	DIM 'C'
36	16.00	17.80	15.80
50	21.60	23.40	21.40
68	28.80	30.60	28.60

NOTES:

1. MATERIAL:
CONNECTOR:
HOUSING - HIGH TEMPERATURE THERMOPLASTIC GLASS FILLED, UL 94V-0, BLACK
TERMINALS - COPPER ALLOY
SHELL
SILVER NICKEL, C770, THICKNESS: 0.250/0.254
2. FINISH:
CONNECTOR
OPTION 1
CONTACT AREA - 0.38µm MIN GOLD OVER 2.54 µm NICKEL
SOLDER FOOT AREA - 2.54-5.09µm TIN OVER 1.27 µm NICKEL
OPTION 2
CONTACT AREA - 0.76µm MIN GOLD OVER 2.54 µm NICKEL
SOLDER FOOT AREA - 2.54-5.09µm TIN OVER 1.27 µm NICKEL
3. TERMINAL SOLDER FEET TO BE COPLANAR WITHIN 0.10 MEASURED FROM FRONT HOUSING STAND OFF (DATUM C)
4. DATE CODE: 4 DIGIT (3 DIGIT DAY, 1 DIGIT YEAR) CONNECTOR ONLY
5. CIRCUIT IDENTIFIER: SEE APPROPRIATE INDUSTRY SPECIFICATION FOR LOCATION OF PIN 1.
6. TO BE USED WITH THE FOLLOWING CABLE SERIES:
79575/74563/79576/74573/79536/74562/74586
7. PACKAGED PER PACKAGING SPECIFICATION: PK-75783-001
8. CONFORMS TO PRODUCT SPECIFICATION: PS-75783-001
9. PROCESS PER APPLICATION SPECIFICATION: AS-75783-001
10. THIS PART CONFORMS TO CLASS C REQUIREMENTS OF COSMETIC SPEC PS-45499-002

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: REMOVED OBSOLETE PART NUMBERS AS PER PCN#511683.				molex							
mm		5:1													
GENERAL TOLERANCES (UNLESS SPECIFIED)								I-PASS R/A CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O							
ANGULAR TOL ± 0.5 °															
4 PLACES		±		EC NO: 755035 DRWN: ANIKES12023/03/30 CHK'D: GGA2023/06/29 APPR: GGA2023/06/29				PRODUCT CUSTOMER DRAWING							
3 PLACES		±													
2 PLACES		± 0.13		INITIAL REVISION: DRWN: KLANG2005/04/15 APPR: RNELSON2005/04/18				DOCUMENT NUMBER			DOC TYPE	DOC PART	REVISION		
1 PLACE		± 0.25						SD-75783-001			PSD	001	F2		
0 PLACES		±													
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						C-SIZE		75783		SEE TABLE		GENERAL MARKET		1 OF 12	

DOCUMENT STATUS	P1	RELEASE DATE	2023/06/29	13:27:16
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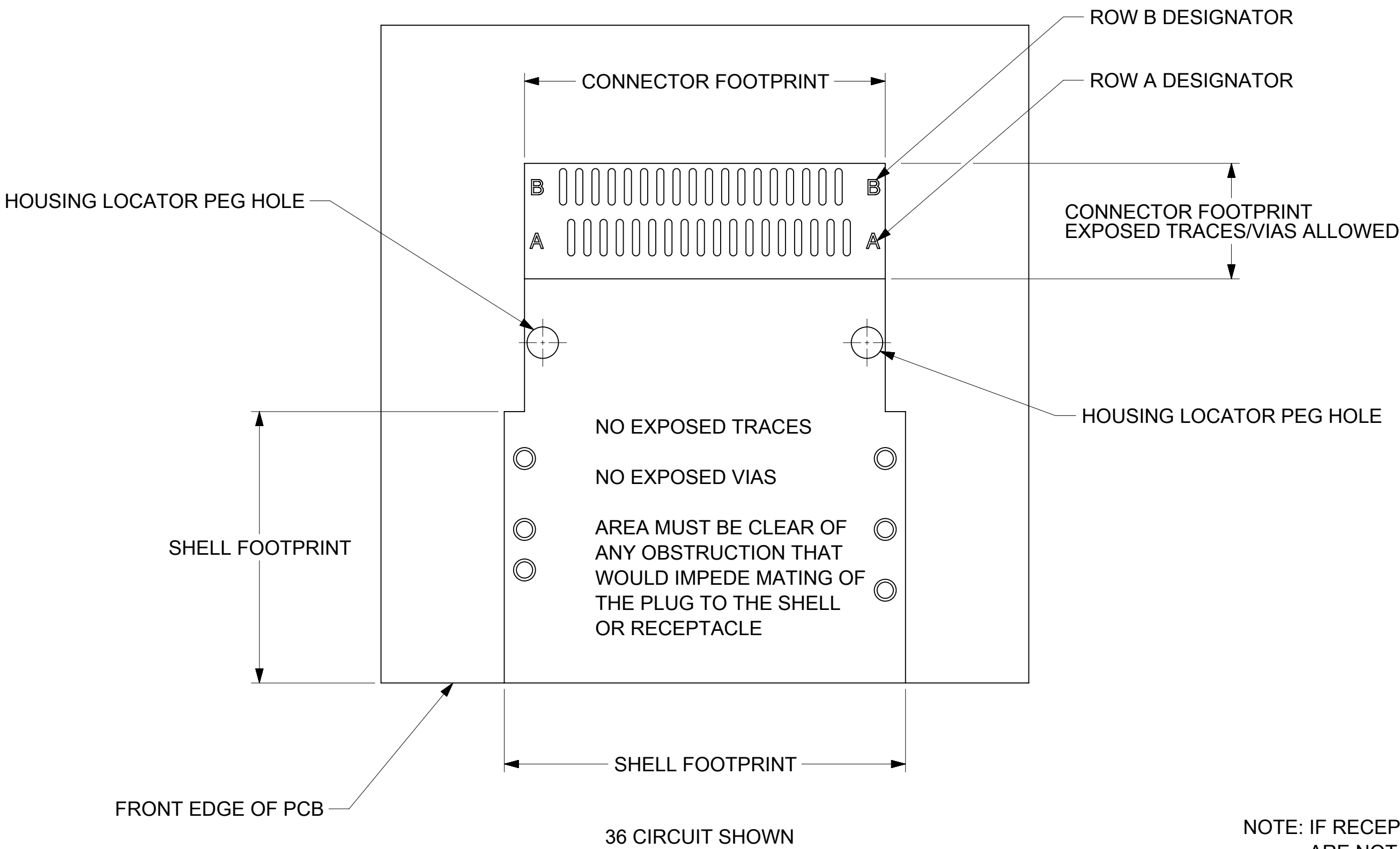


	PEG TO PEG	FIRST PAD TO LAST PAD	CENTERLINE TO PAD	CENTERLINE TO PAD	CONNECTOR WIDTH SHELL PEG TO PEG	SHELL FOOTPRINT WIDTH	CENTERLINE TO PAD EDGE
CIRCUIT SIZE	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'	DIM 'F'	DIM 'G'
36	16.00	14.00	6.60	7.00	17.80	20.80	8.825
50	21.60	19.60	9.40	9.80	23.40	26.40	11.625
68	28.80	26.80	13.00	13.40	30.60	33.60	15.225

CIRCUIT SIZE	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'	DIM 'F'	DIM 'G'
36	16.00	14.00	6.60	7.00	17.80	20.80	8.825
50	21.60	19.60	9.40	9.80	23.40	26.40	11.625
68	28.80	26.80	13.00	13.40	30.60	33.60	15.225

DOCUMENT STATUS	P1	RELEASE DATE	2023/06/29	13:27:16
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RIGHT ANGLE CONNECTOR WITH SHELL
PCB FOOT PRINT DESCRIPTIONS

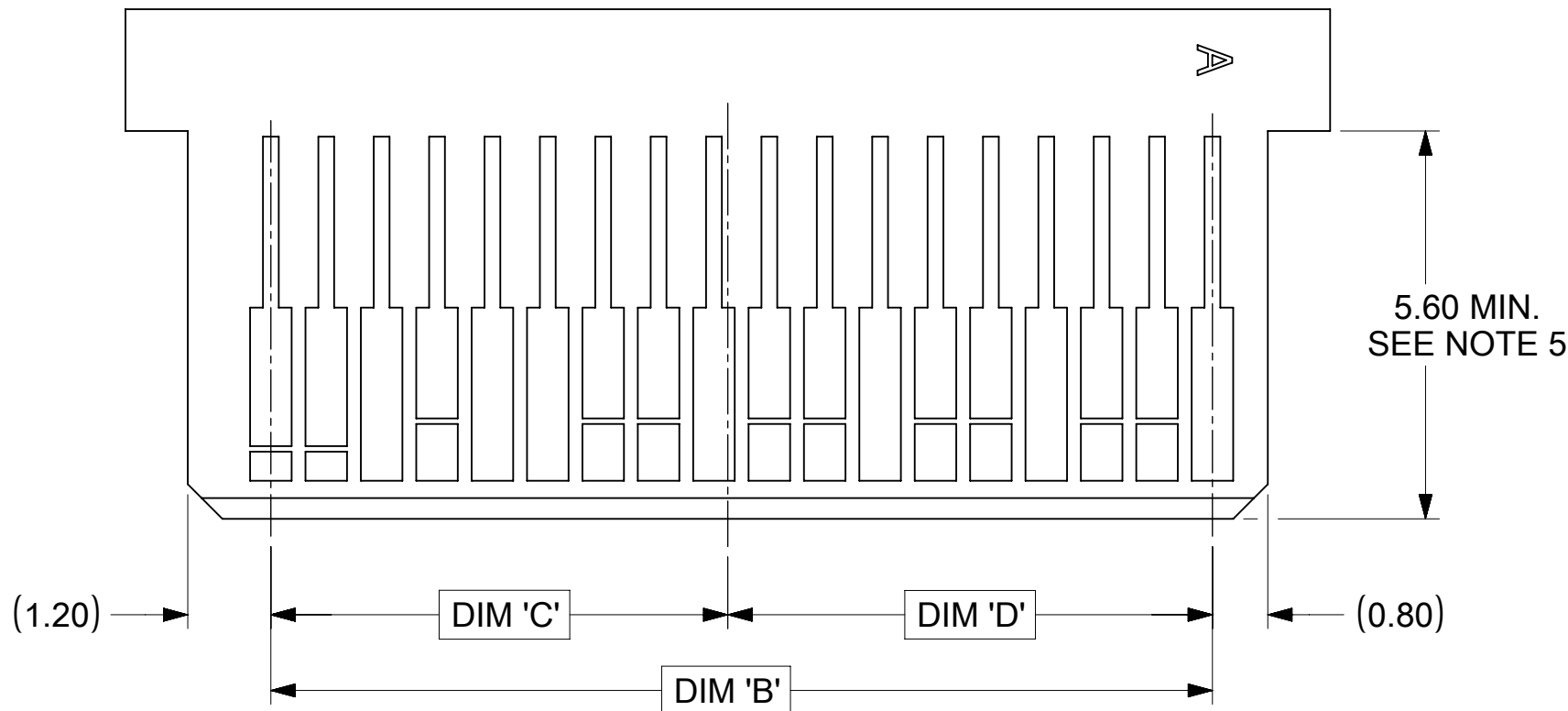
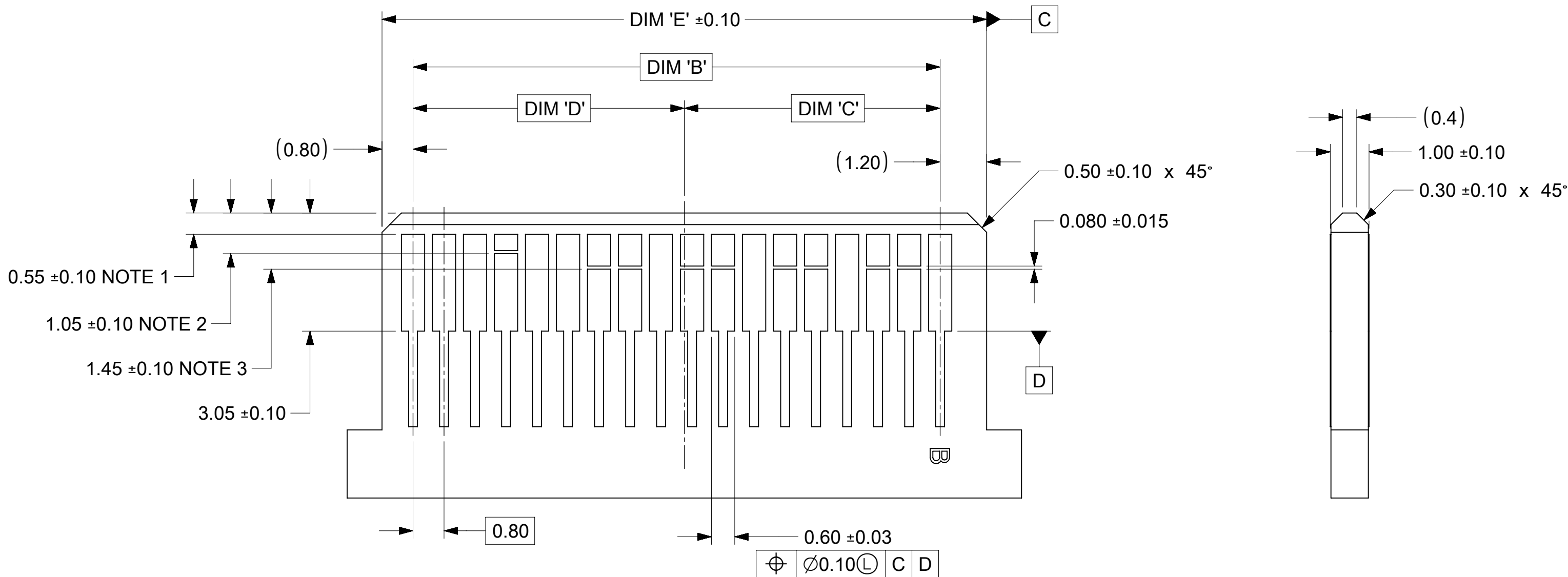


NOTE: IF RECEPTACLE AND SHELL
ARE NOT PLACED AT EDGE
OF PCB AS SHOWN, ADDITIONAL
CLEARANCE IS NEEDED FOR
BODY OF PLUG AND CABLE

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: REMOVED OBSOLETE PART NUMBERS AS PER PCN#511683.				molex I-PASS R/A CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O					
mm		5:1											
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 755035 DRWN: ANIKES12023/03/30 CHK'D: GGA2023/06/29 APPR: GGA2023/06/29				PRODUCT CUSTOMER DRAWING					
ANGULAR TOL		±	0.5 °										
4 PLACES		±											
3 PLACES		±											
2 PLACES		±	0.13										
1 PLACE		±	0.25	INITIAL REVISION: DRWN: KLANG2005/04/15 APPR: RNELSON2005/04/18				DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION	
0 PLACES		±						SD-75783-001		PSD	001	F2	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						C-SIZE	75783	SEE TABLE		GENERAL MARKET		3 OF 12	

DOCUMENT STATUS	P1	RELEASE DATE	2023/06/29	13:27:16
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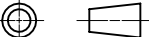
MATING INTERFACE (FOR REFERENCE ONLY)



36 CIRCUIT SHOWN

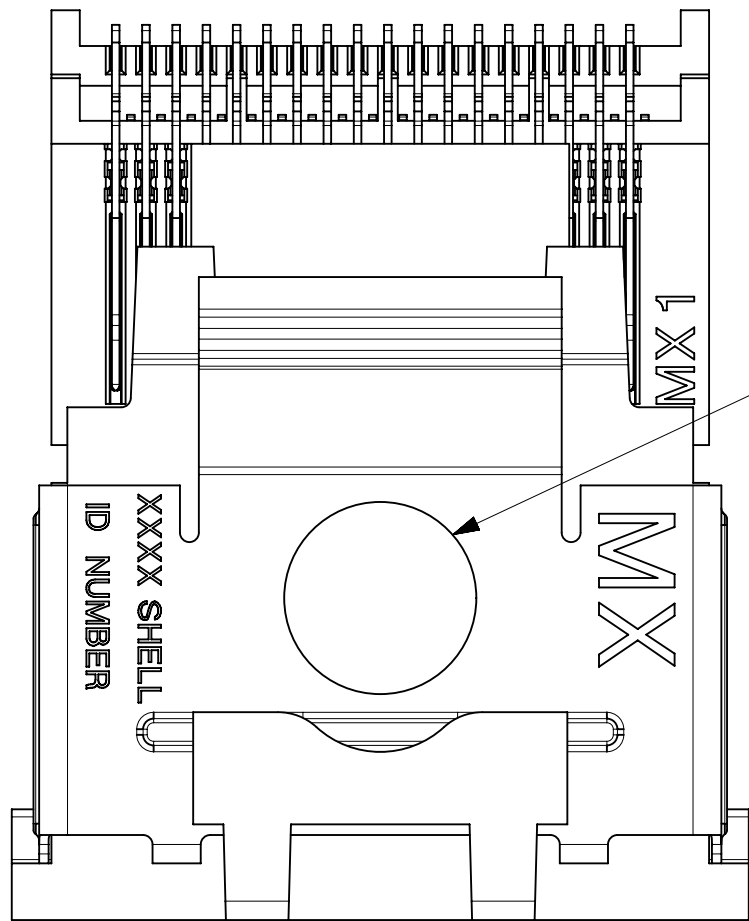
- NOTES:
- PAD CONFIGURATION FOR FIRST MATE.
 - PAD CONFIGURATION FOR SECOND MATE.
 - PAD CONFIGURATION FOR THIRD MATE.
(HIGH SPEED SIGNALS)
 - FOR PIN ASSIGNMENTS AND MATING SEQUENCE
(1ST, 2ND, 3RD), SEE APPLICABLE
SPECIFICATION.
 - MINIMUM STEP REQUIRED IF PCB MADE
WIDER THAN TONGUE.

CIRCUIT SIZE	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'
36	18	13.60	6.60	7.00	15.60
50	25	19.20	9.40	9.80	21.20
68	34	26.40	13.00	13.40	28.40

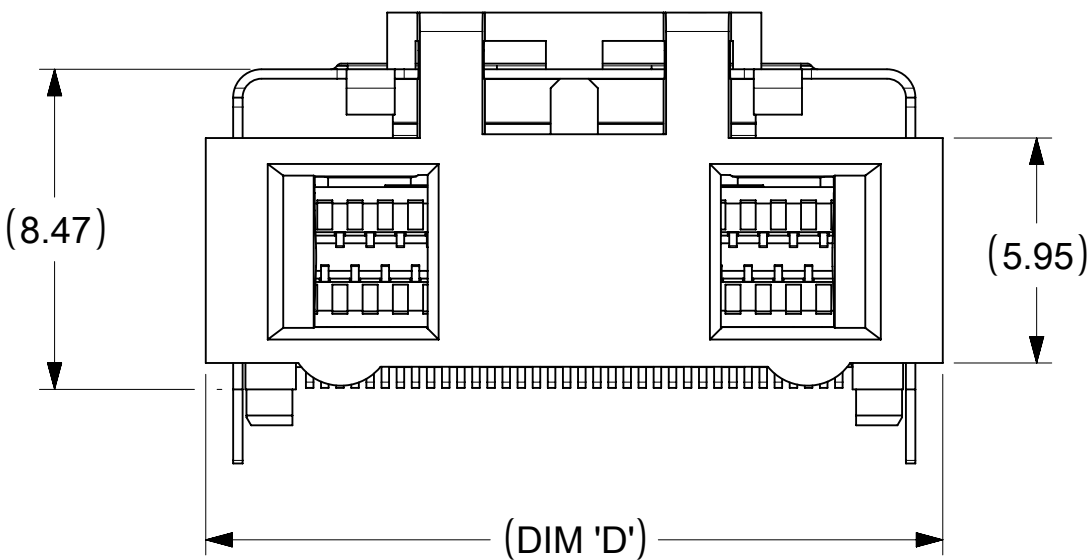
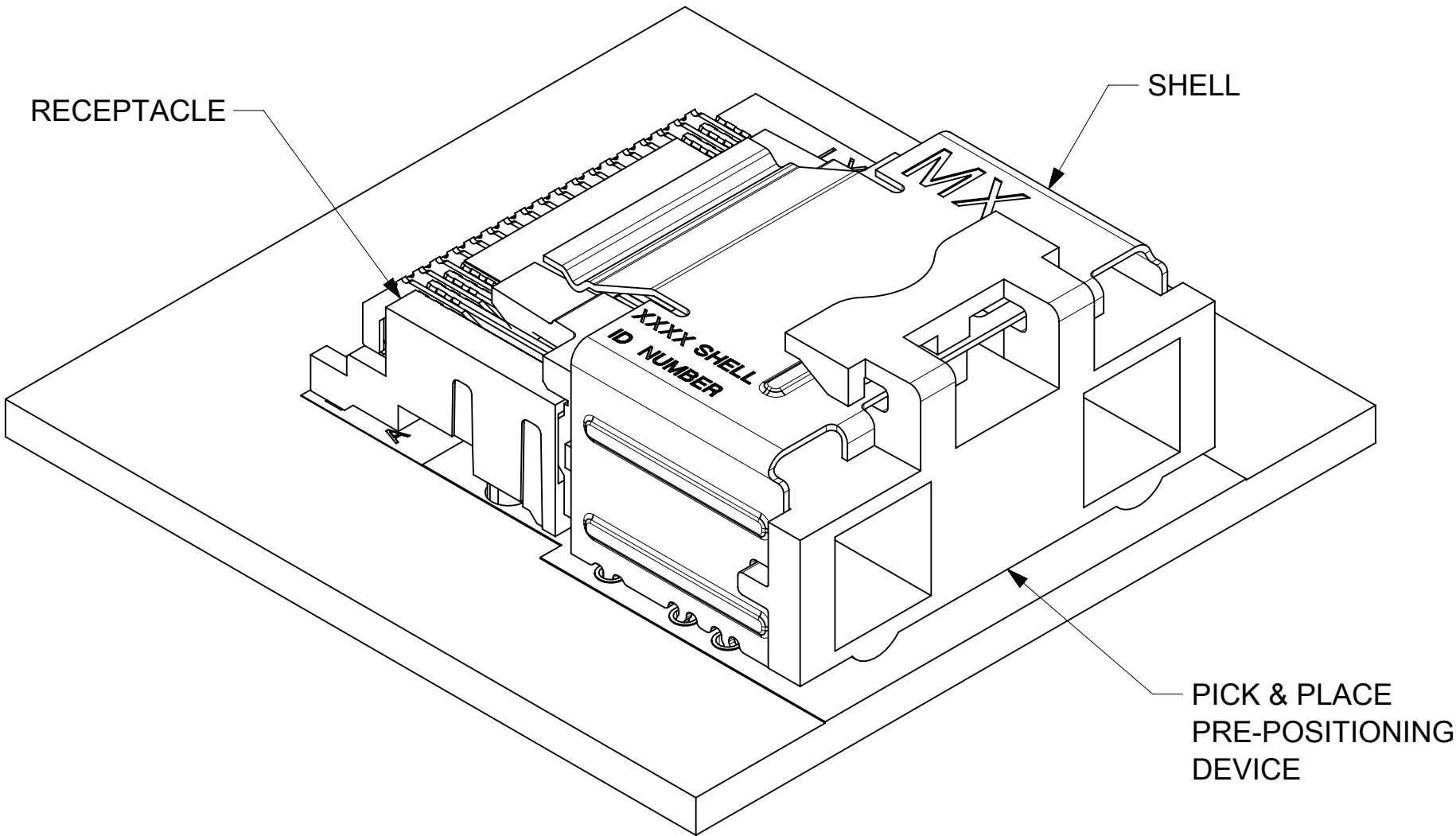
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										
DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#511683.			molex			
mm		10:1								
GENERAL TOLERANCES (UNLESS SPECIFIED)				I-PASS R/A CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O						
ANGULAR TOL ± 0.5 °										
4 PLACES		±		EC NO: 755035 DRWN: ANIKES1 2023/03/30 CHK'D: GGA 2023/06/29 APPR: GGA 2023/06/29			PRODUCT CUSTOMER DRAWING			
3 PLACES		±								
2 PLACES		± 0.13		INITIAL REVISION: DRWN: KLANG 2005/04/15 APPR: RNELSON 2005/04/18						
1 PLACE		± 0.25								
0 PLACES		±		DOCUMENT NUMBER			DOC TYPE		DOC PART	REVISION
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SD-75783-001			PSD		001	F2
				THIRD ANGLE PROJECTION			DRAWING		SHEET NUMBER	
				C-SIZE		SERIES		MATERIAL NUMBER		CUSTOMER
				75783		SEE TABLE		GENERAL MARKET		4 OF 12

DOCUMENT STATUS	P1	RELEASE DATE	2023/06/29	13:27:16
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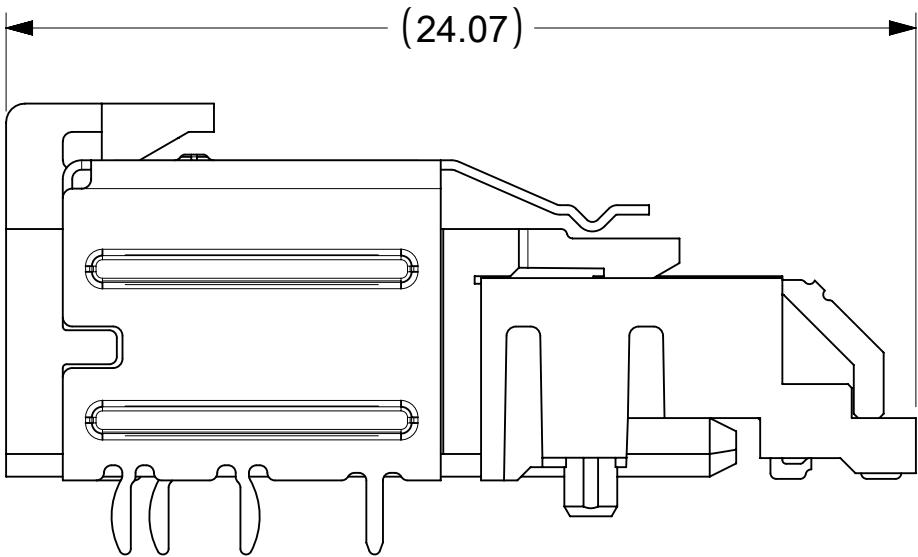
ASSEMBLY WITH PRE-POSITION DEVICE



PICK & PLACE
NOZZLE AREA



36 CIRCUIT RETENTION-FIT SHELL OPTION SHOWN



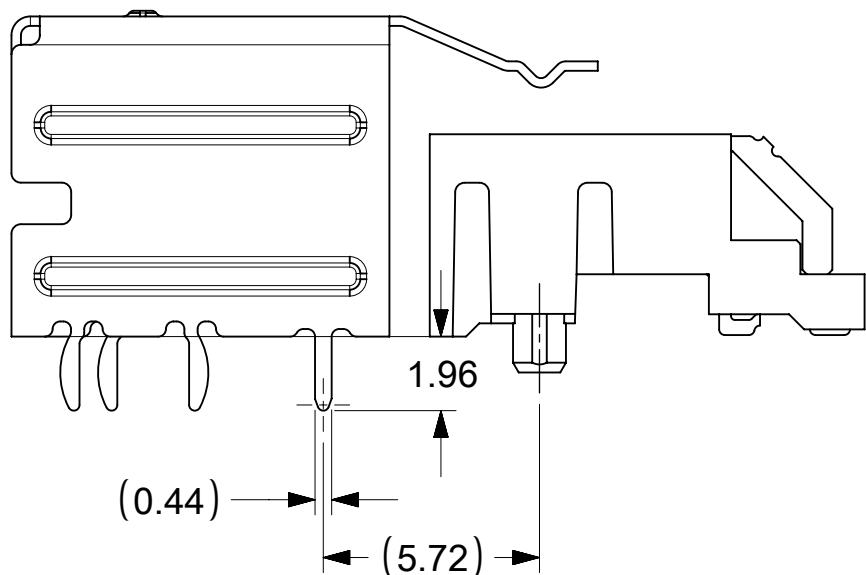
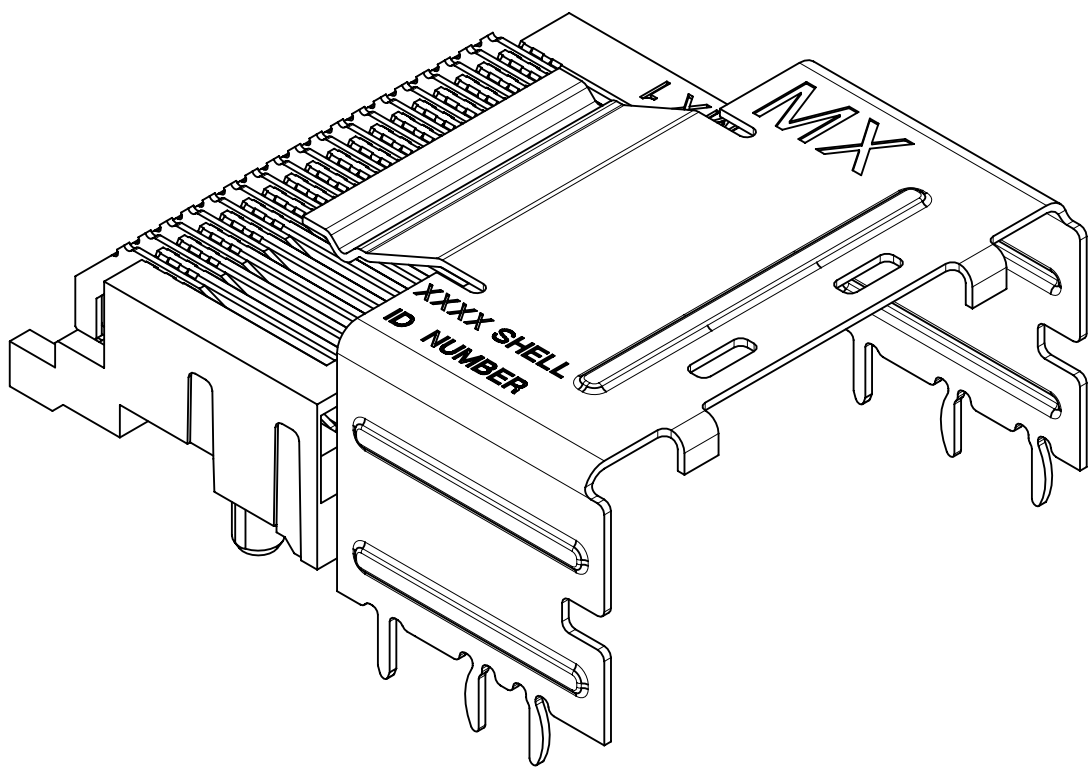
- NOTES:
- 1. PICK AND PLACE AREA DEFINED IN APPLICATION SPECIFICATION, AS-75783-001
 - 2. PACKAGING CONSISTS OF CONNECTOR AND SHELL WITH A PRE-POSITIONING PICK AND PLACE DEVICE THAT ARE PACKAGED IN "TAPE AND REEL" FOR ROBOTIC PICK AND PLACE.

CIRCUIT SIZE	DIM 'D'
36	19.50
50	25.10
68	32.30

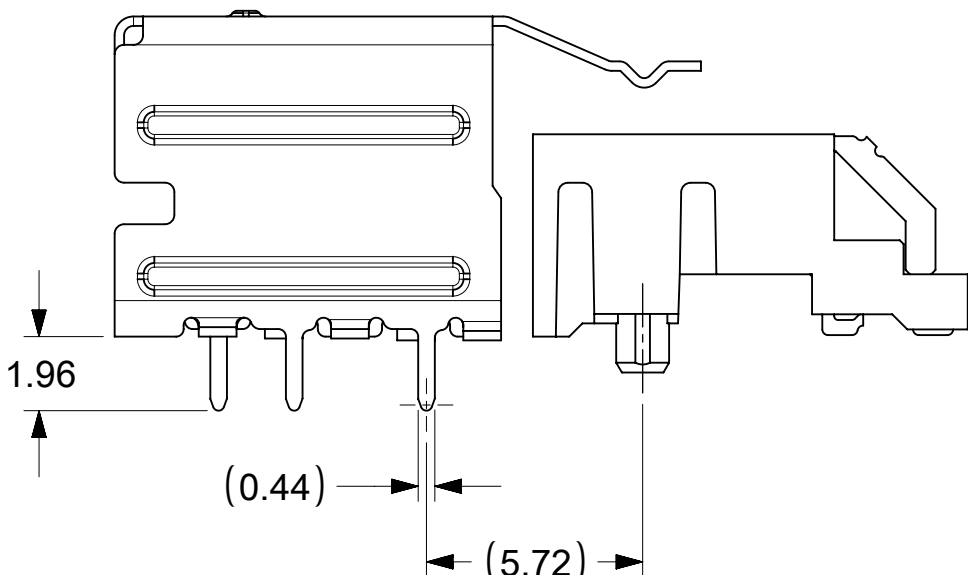
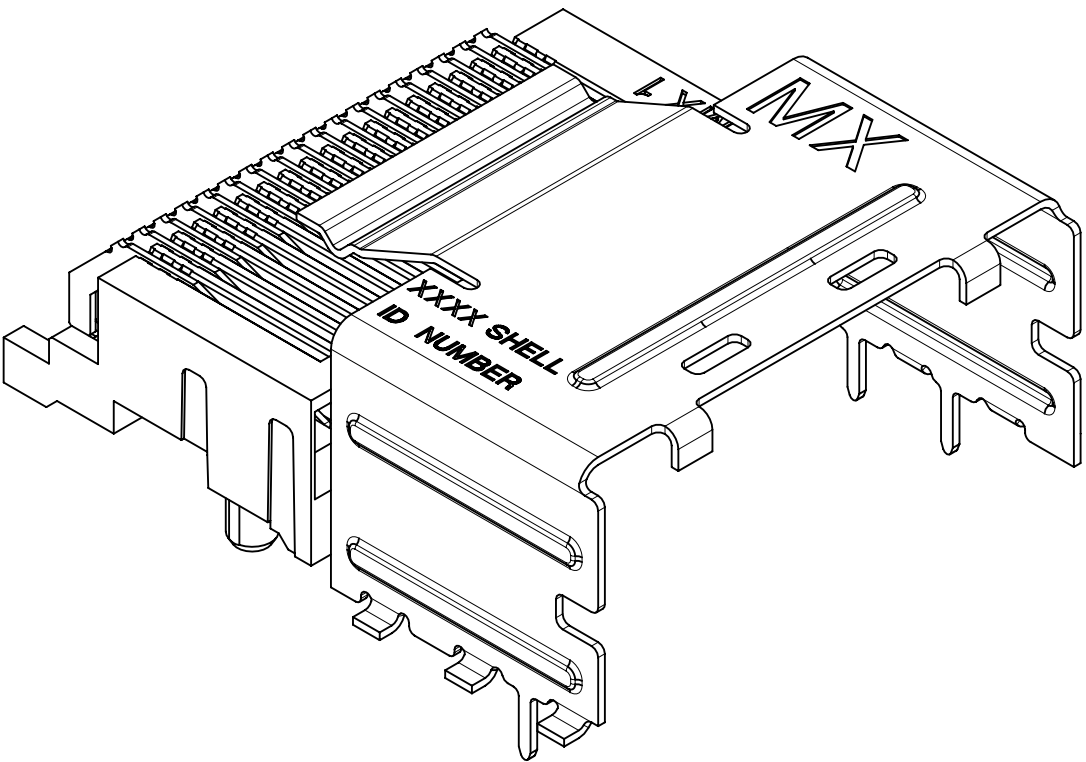
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												
DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#511683.				molex				
mm		5:1										
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 755035 DRWN: ANIKES12023/03/30 CHK'D: GGA2023/06/29 APPR: GGA2023/06/29 INITIAL REVISION: DRWN: KLANG2005/04/15 APPR: RNELSON2005/04/18				I-PASS R/A CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O				
ANGULAR TOL		± 0.5 °						PRODUCT CUSTOMER DRAWING				
4 PLACES		±						DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
3 PLACES		±						SD-75783-001		PSD	001	F2
2 PLACES		± 0.13										
1 PLACE		± 0.25										
0 PLACES		±										
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		
						C-SIZE	75783	SEE TABLE		GENERAL MARKET		
										SHEET NUMBER		
										5 OF 12		

DOCUMENT STATUS	P1	RELEASE DATE	2023/06/29	13:27:16
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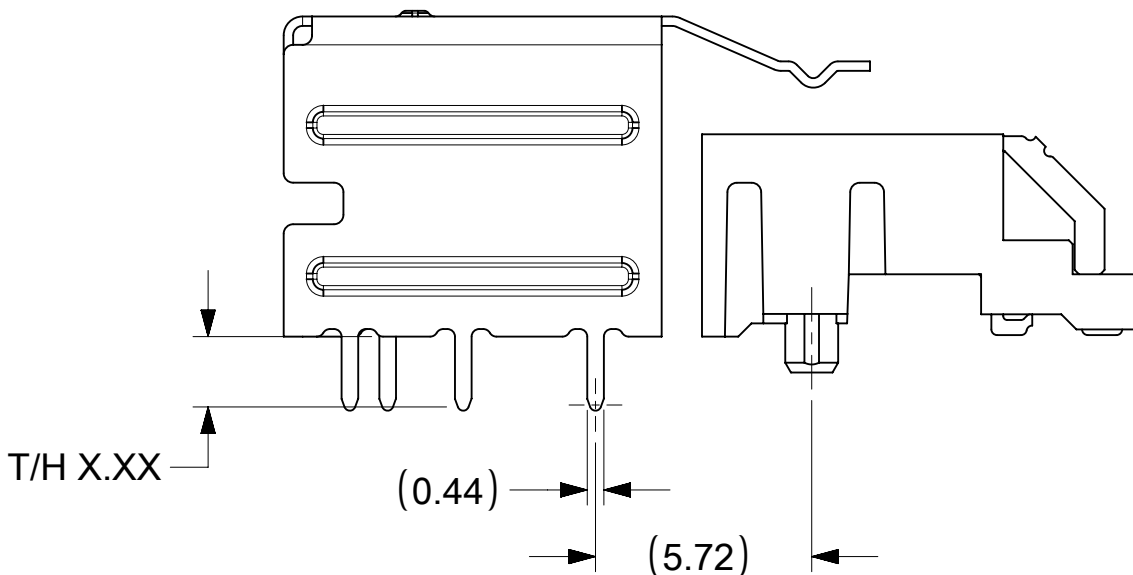
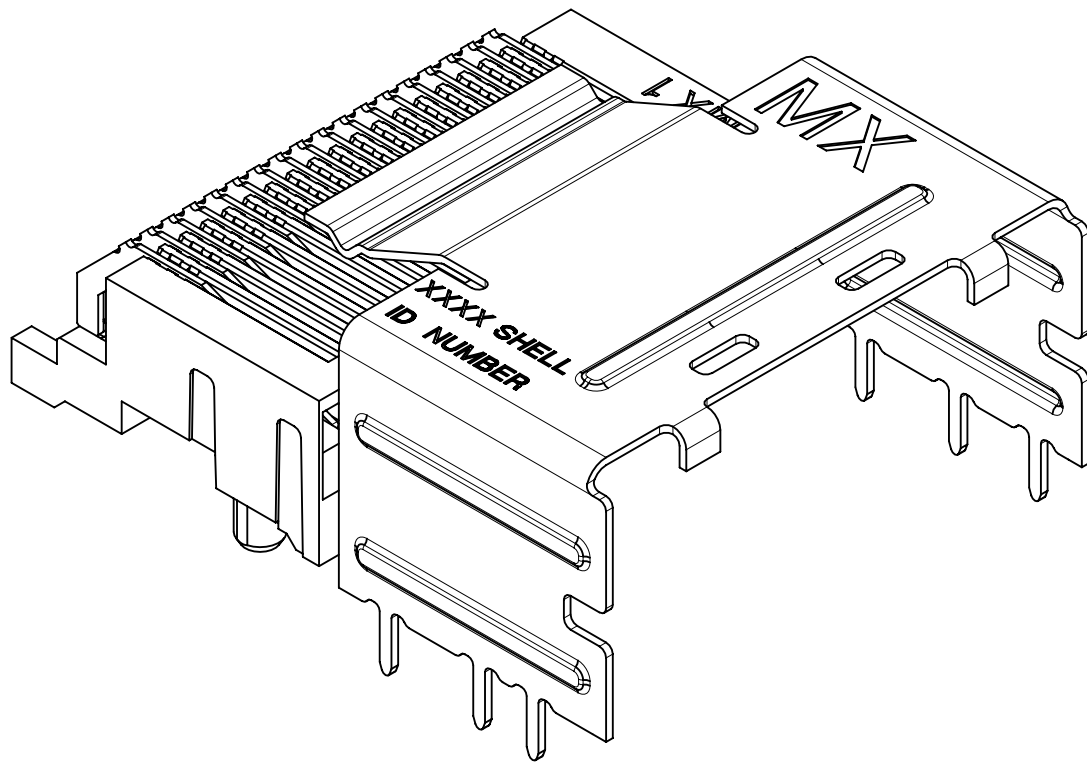
SHELL PCB INTERFACE



RETENTION-FIT
SHELL OPTION



SMT SHELL OPTION

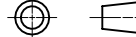


THRU-HOLE SHELL OPTION
SEE TABLE FOR LENGTH
(X.XX DENOTES TAIL LENGTH)

RECOMMENDED PCB THICKNESS
FOR SPECIFIED TAIL LENGTH

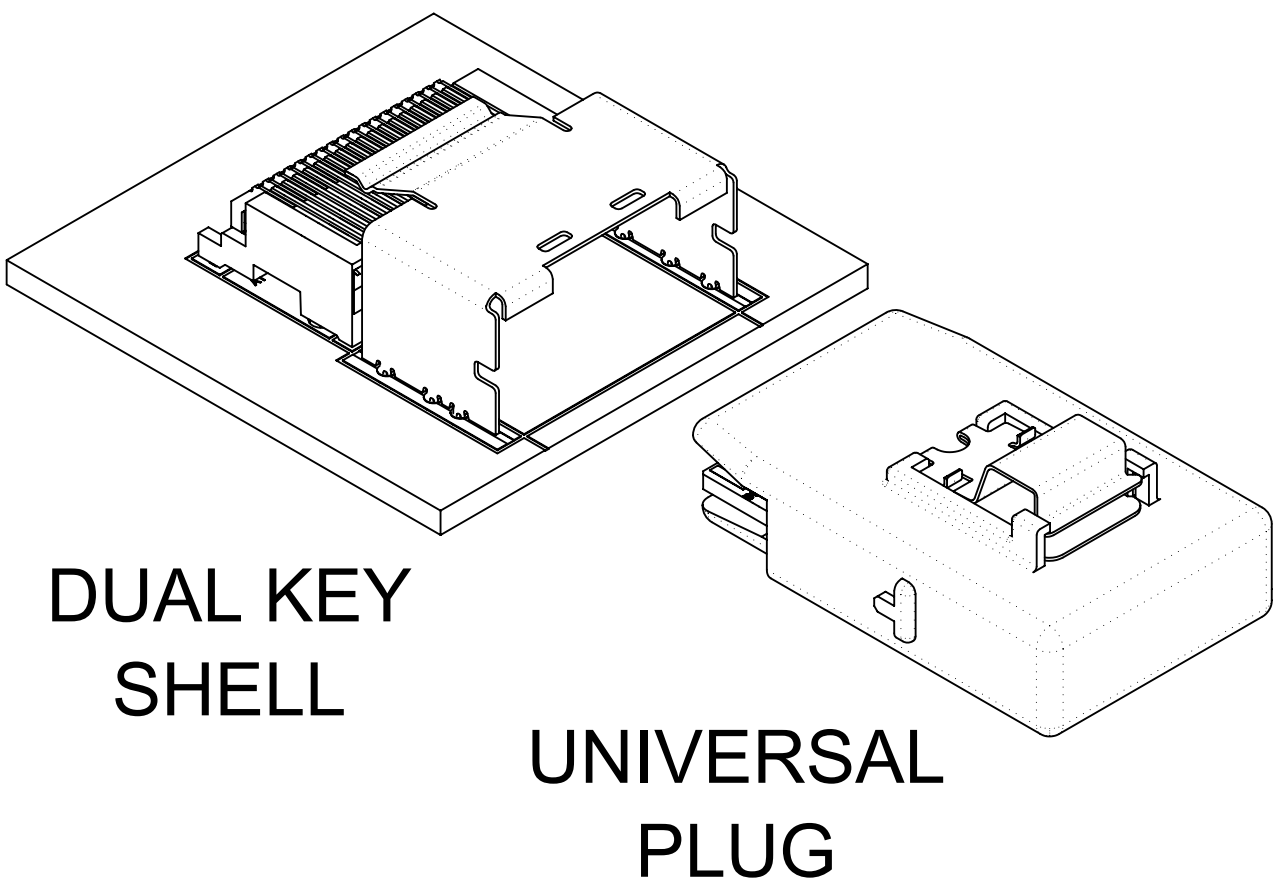
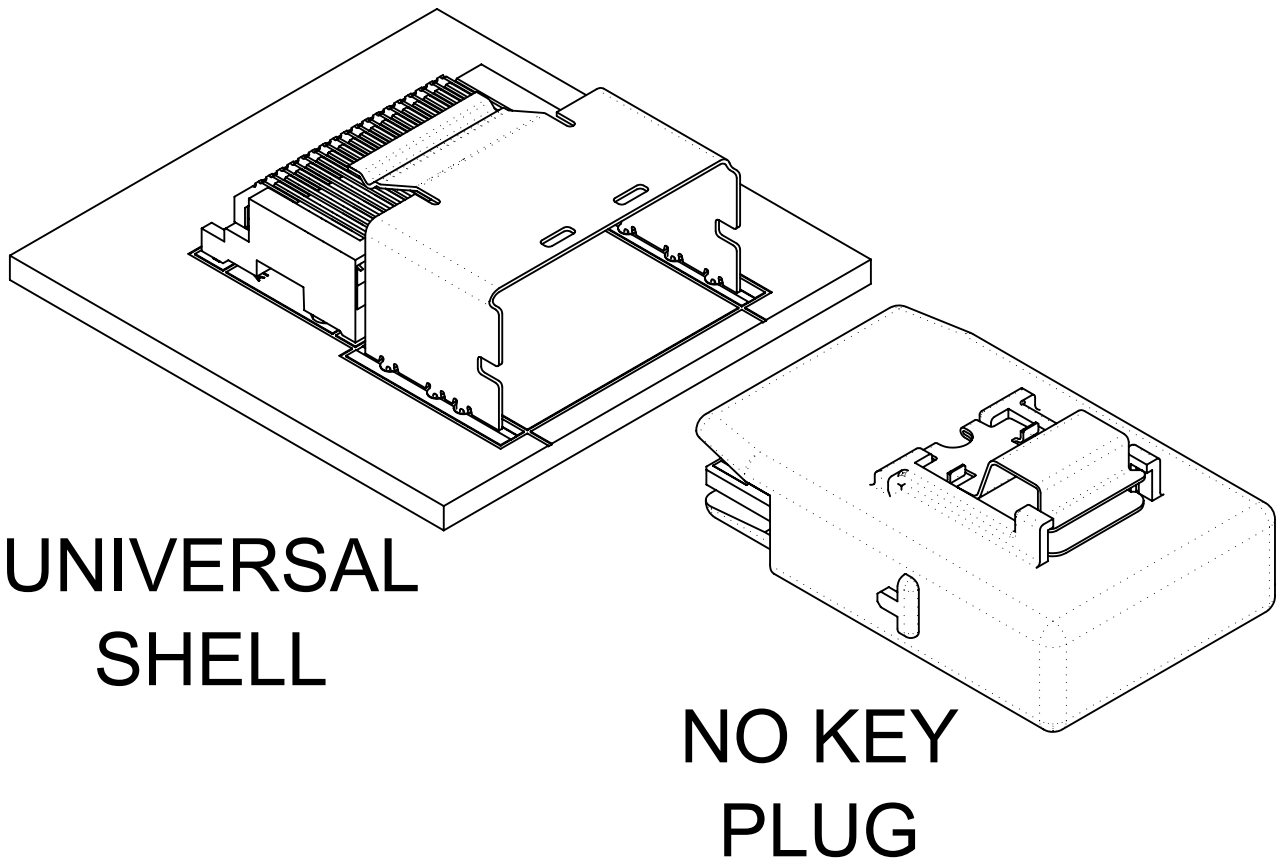
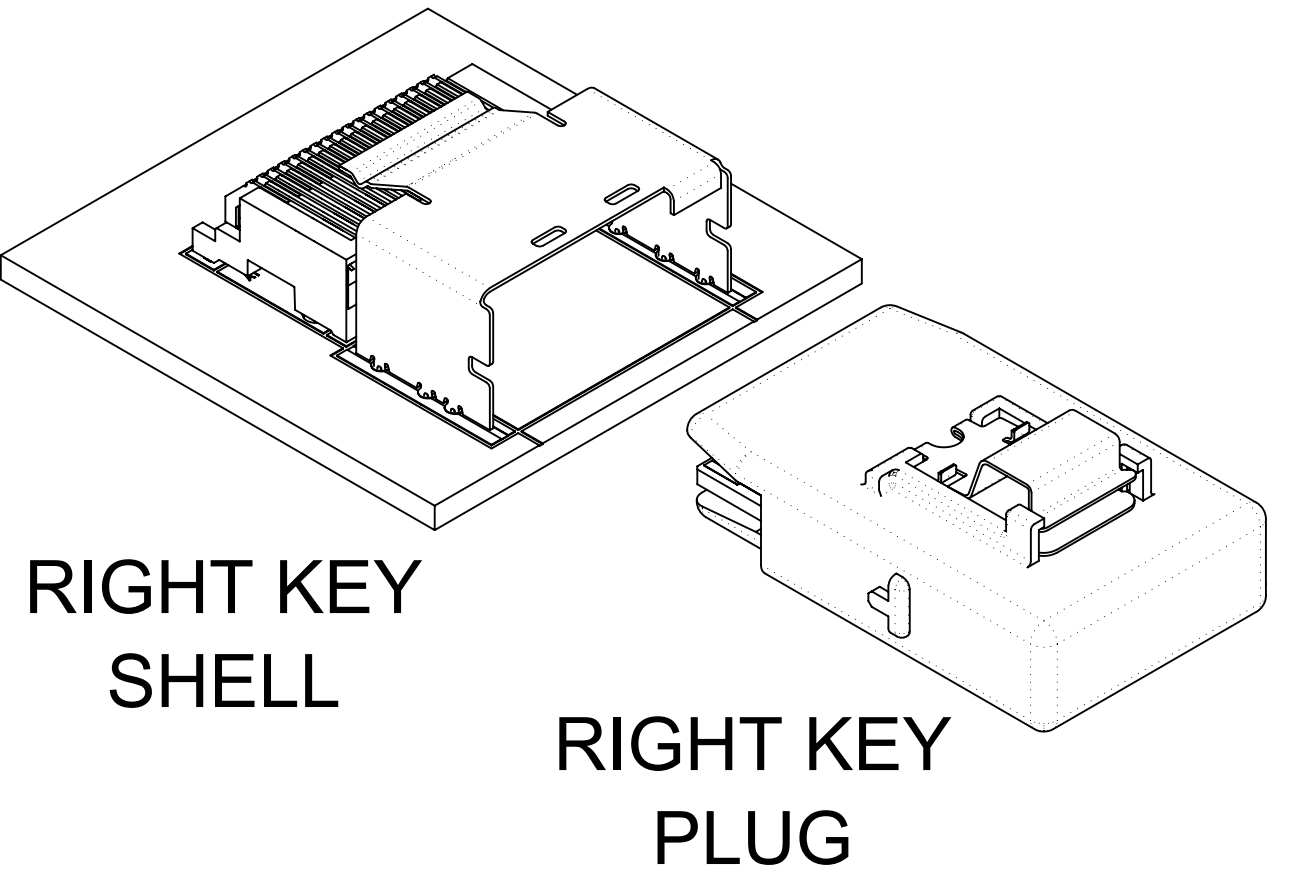
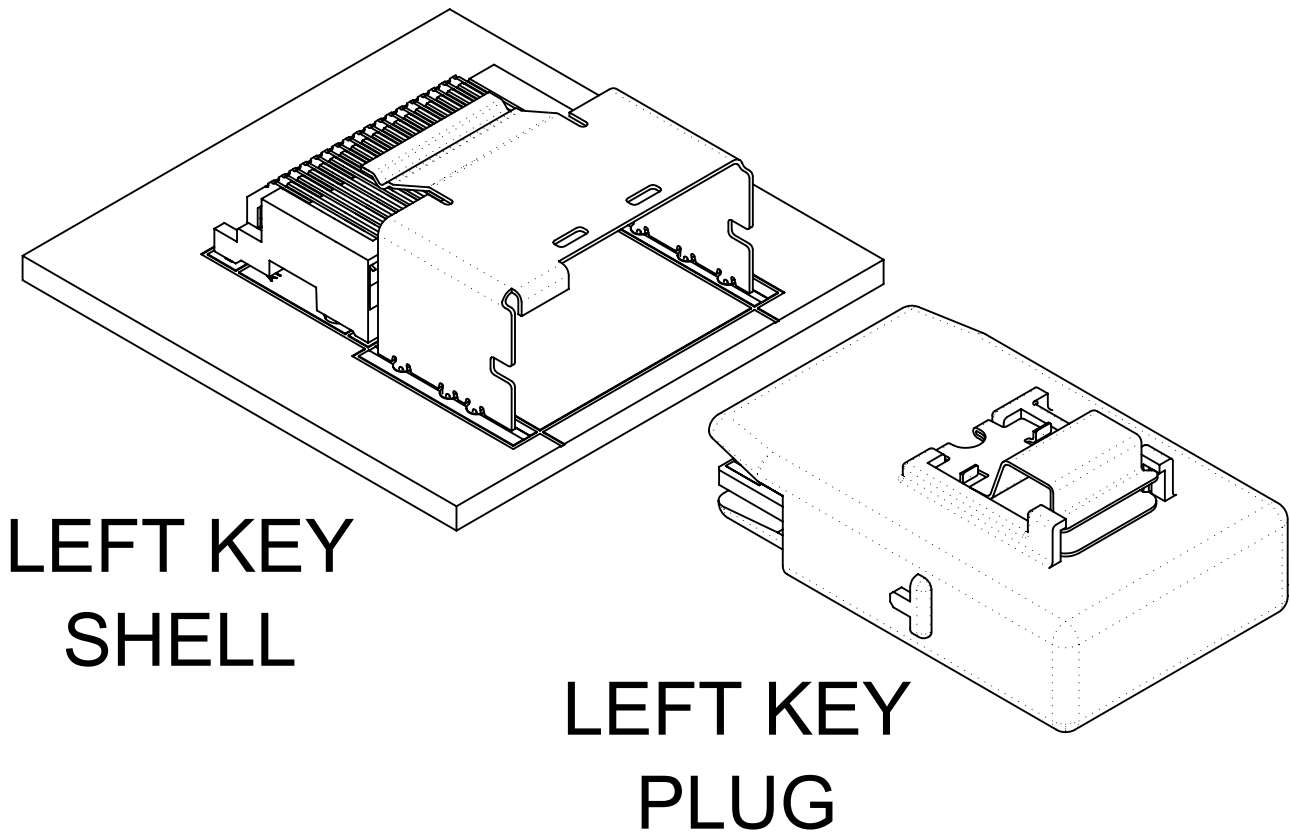
TAIL LENGTH	PCB THICKNESS
1.96	1.57(.062)
2.79	2.36(.093)
3.18	2.79(.110)
3.56	3.18(.125)

NOTE:
RETENTION FIT DENOTES TAILS THAT OFFER RETENTION
TO PCB DURING REFLOW PROCESS
SMT DENOTES SURFACE MOUNT TERMINATION
T/H X.XX DENOTES THRU-HOLE TAIL OF LENGTH X.XX

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: REMOVED OBSOLETE PART NUMBERS AS PER PCN#511683.				molex I-PASS R/A CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O							
mm		5:1													
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 755035 DRWN: ANIKES1 CHK'D: GGA APPR: GGA 2023/03/30 2023/06/29 2023/06/29											
ANGULAR TOL ± 0.5 °															
4 PLACES		±													
3 PLACES		±													
2 PLACES		± 0.13													
1 PLACE		± 0.25		INITIAL REVISION: DRWN: KLANG APPR: RNELSON				DOCUMENT NUMBER SD-75783-001		DOC TYPE PSD	DOC PART 001	REVISION F2			
0 PLACES		±													
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION 		DRAWING C-SIZE		SERIES 75783		MATERIAL NUMBER SEE TABLE		CUSTOMER GENERAL MARKET		SHEET NUMBER 6 OF 12	

DOCUMENT STATUS	P1	RELEASE DATE	2023/06/29	13:27:16
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KEYING OPTIONS



	UNIVERSAL SHELL	LEFT KEY SHELL	RIGHT KEY SHELL	DUAL KEY SHELL
NO KEY PLUG	YES	NO	NO	NO
LEFT KEY PLUG	YES	YES	NO	NO
RIGHT KEY PLUG	YES	NO	YES	NO
UNIVERSAL PLUG	YES	YES	YES	YES

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DIMENSION UNITS	SCALE	CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#511683.							
mm	1:1								
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 755035 DRWN: ANIKES1 CHK'D: GGA APPR: GGA INITIAL REVISION: DRWN: KLANG APPR: RNELSON							
ANGULAR TOL	± 0.5°								
4 PLACES	±								
3 PLACES	±								
2 PLACES	± 0.13								
1 PLACE	± 0.25	2023/03/30		2023/06/29		2023/06/29			
0 PLACES	±	2005/04/15		2005/04/18		2005/04/18			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER		
			C-SIZE	75783	SEE TABLE	GENERAL MARKET	7 OF 12		

I-PASS R/A CONNECTOR
INTERNAL ASSY W/SHELL 0.8MM PITCH I/O

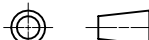
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-75783-001	PSD	001	F2

36 CIRCUIT ITEM NUMBERS

CIRCUIT SIZE	ITEM NUMBER	PLATING OPTION	SHELL PCB OPTION	SHELL KEY OPTION
36	75783-0107	OPTION 1	RETENTION	LEFT
36	75783-0112	OPTION 1	SMT	DUAL
36	75783-0121	OPTION 2	RETENTION	DUAL
36	75783-0122	OPTION 2	SMT	LEFT
36	75783-0125	OPTION 1	RETENTION	UNIVERSAL
36	75783-0126	OPTION 1	SMT	UNIVERSAL
36	75783-0127	OPTION 2	RETENTION	UNIVERSAL
36	75783-0128	OPTION 2	SMT	UNIVERSAL
36	75783-0132	OPTION 1	T/H 1.96	UNIVERSAL
36	75783-0133	OPTION 2	T/H 1.96	LEFT
36	75783-0170	OPTION 1	T/H 1.40	UNIVERSAL

CIRCUIT SIZE	ITEM NUMBER	PLATING OPTION	SHELL PCB OPTION	SHELL KEY OPTION
36	75783-0137	OPTION 1	T/H 2.79	LEFT
36	75783-0140	OPTION 1	T/H 2.79	UNIVERSAL
36	75783-0144	OPTION 2	T/H 2.79	UNIVERSAL
36	75783-0150	OPTION 2	T/H 3.18	RIGHT
36	75783-0155	OPTION 1	T/H 3.56	DUAL
36	75783-0156	OPTION 1	T/H 3.56	UNIVERSAL

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DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#511683. EC NO: 755035 DRWN: ANIKES12023/03/30 CHK'D: GGA2023/06/29 APPR: GGA2023/06/29 INITIAL REVISION: DRWN: KLANG2005/04/15 APPR: RNELSON2005/04/18				molex I-PASS R/A CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O							
mm		1:1													
GENERAL TOLERANCES (UNLESS SPECIFIED)								PRODUCT CUSTOMER DRAWING							
ANGULAR TOL ± 0.5 °															
4 PLACES		±						DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION			
3 PLACES		±						SD-75783-001		PSD	001	F2			
2 PLACES		± 0.13													
1 PLACE		± 0.25													
0 PLACES		±													
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION 		DRAWING C-SIZE		SERIES 75783		MATERIAL NUMBER SEE TABLE		CUSTOMER GENERAL MARKET		SHEET NUMBER 8 OF 12	

50 CIRCUIT ITEM NUMBERS

CIRCUIT SIZE	ITEM NUMBER	PLATING OPTION	SHELL PCB OPTION	SHELL KEY OPTION
50	75783-0236	OPTION 2	T/H 1.96	UNIVERSAL

CIRCUIT SIZE	ITEM NUMBER	PLATING OPTION	SHELL PCB OPTION	SHELL KEY OPTION
50	75783-0252	OPTION 2	T/H 3.18	UNIVERSAL

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: REMOVED OBSOLETE PART NUMBERS AS PER PCN#511683.			molex			
mm	1:1							
GENERAL TOLERANCES (UNLESS SPECIFIED)								
ANGULAR TOL	± 0.5 °							
4 PLACES	±	EC NO: 755035 DRWN: ANIKES1 2023/03/30 CHK'D: GGA 2023/06/29 APPR: GGA 2023/06/29	PRODUCT CUSTOMER DRAWING			DOCUMENT NUMBER SD-75783-001 PSD 001 F2		
3 PLACES	±							
2 PLACES	± 0.13							
1 PLACE	± 0.25	INITIAL REVISION: DRWN: KLANG 2005/04/15 APPR: RNELSON 2005/04/18	SHEET NUMBER					
0 PLACES	±		9 OF 12					

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIRD ANGLE PROJECTION

DRAWING

C-SIZE

SERIES

75783

MATERIAL NUMBER

SEE TABLE

CUSTOMER

GENERAL MARKET

DATE	REV	DESCRIPTION
2018/03/20	F	1. REMASTERED FROM MODEL MANAGER
		2. SHEET 1, NOTE 3, COPLANAR DISTANCE CHANGED FROM 0.15 TO 0.10
2019/03/28	F1	1. RECREATED IN NX
		2. OBSOLETE PART NO 757830052,757830145,757830146,757830326
2023/03/30	F2	1)OBSOLETE PART NUMBERS AS PER PCN#511683(ECN-743800). 2)REMOVED SHEET 8 AND 26 CIRCUIT ITEM NUMBERS.

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: REMOVED OBSOLETE PART NUMBERS AS PER PCN#511683.		molex I-PASS R/A CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O			
mm	1:1						
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 755035 DRWN: ANIKES1 2023/03/30 CHK'D: GGA 2023/06/29 APPR: GGA 2023/06/29		PRODUCT CUSTOMER DRAWING			
ANGULAR TOL	± 0.5 °						
4 PLACES	±			DOCUMENT NUMBER SD-75783-001 DOC TYPE PSD DOC PART 001 REVISION F2			
3 PLACES	±						
2 PLACES	± 0.13						
1 PLACE	± 0.25						
0 PLACES	±	INITIAL REVISION: DRWN: KLANG 2005/04/15 APPR: RNELSON 2005/04/18					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION 	DRAWING C-SIZE	SERIES 75783	MATERIAL NUMBER SEE TABLE	CUSTOMER GENERAL MARKET	SHEET NUMBER 12 OF 12