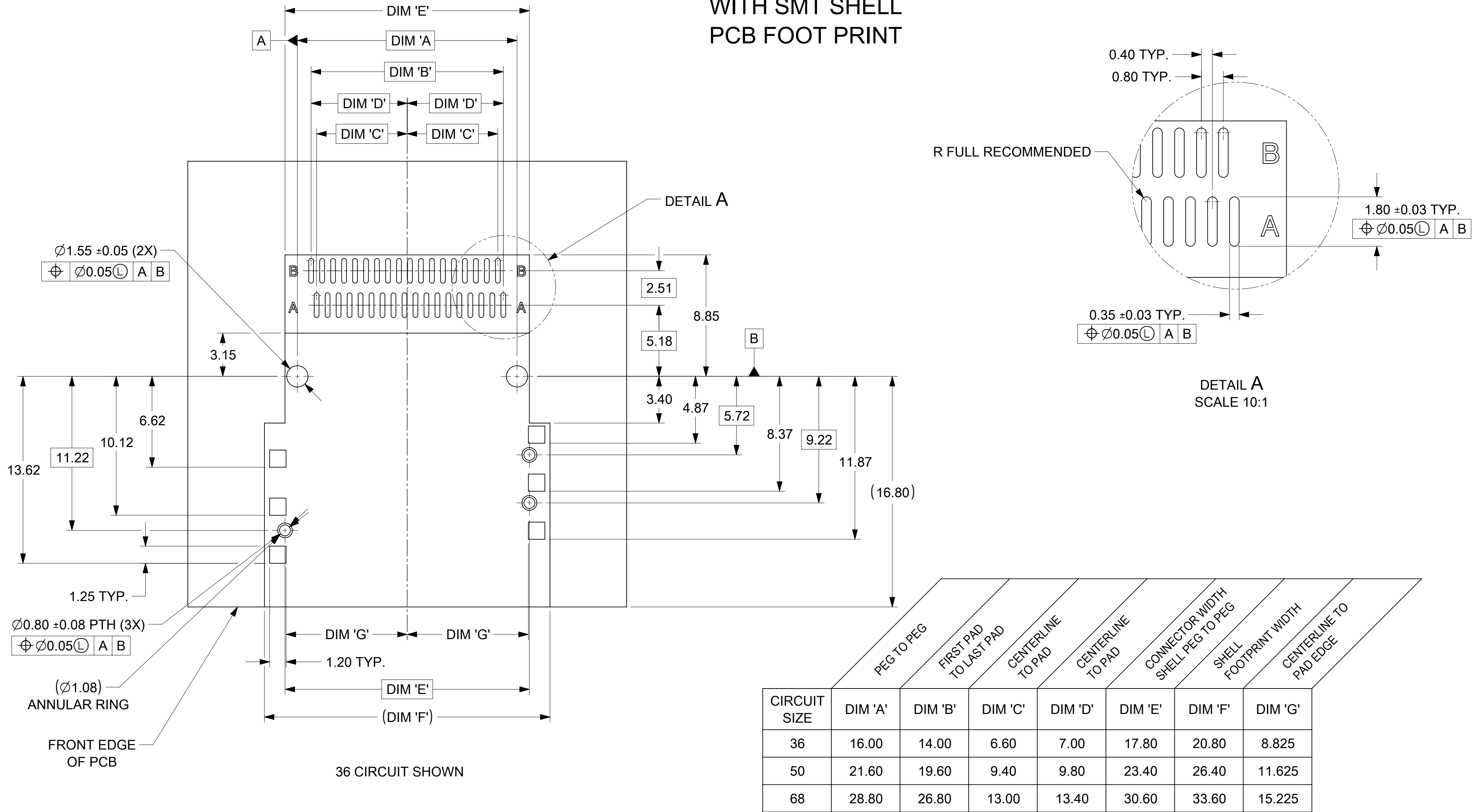


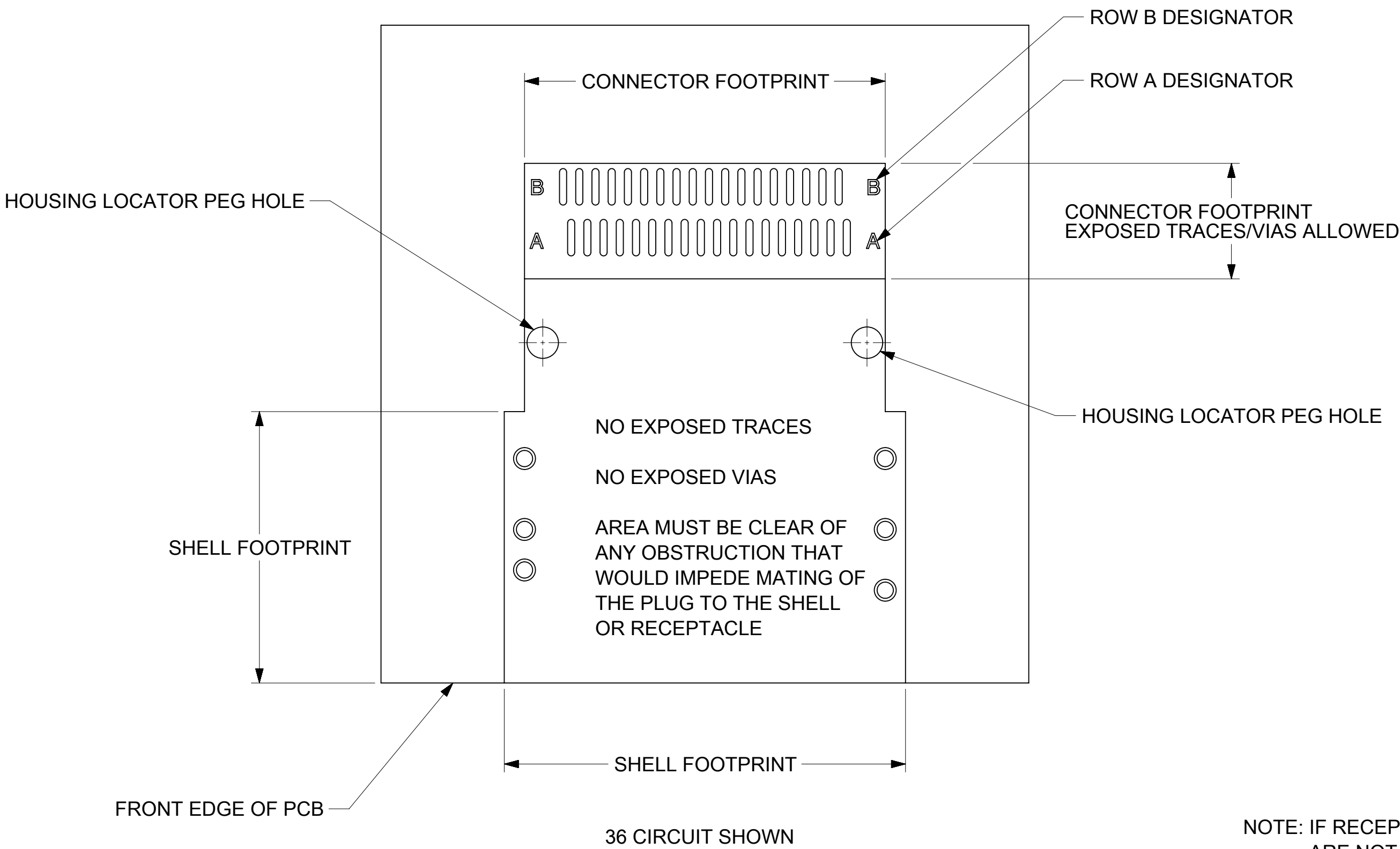
RIGHT ANGLE CONNECTOR
WITH SMT SHELL
PCB FOOT PRINT



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 2023/03/30 CHK'D: GGA 2023/06/29 APPR: GGA 2023/06/29 INITIAL REVISION: DRWN: KLANG 2005/04/15 APPR: RNELSON 2005/04/18															
ANGULAR TOL		± 0.5 °																	
4 PLACES		±																	
3 PLACES		±																	
2 PLACES		± 0.13																	
1 PLACE		± 0.25																	
0 PLACES		±																	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION				DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
								C-SIZE		75783		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER			
										SEE TABLE		GENERAL MARKET		2 OF 12					

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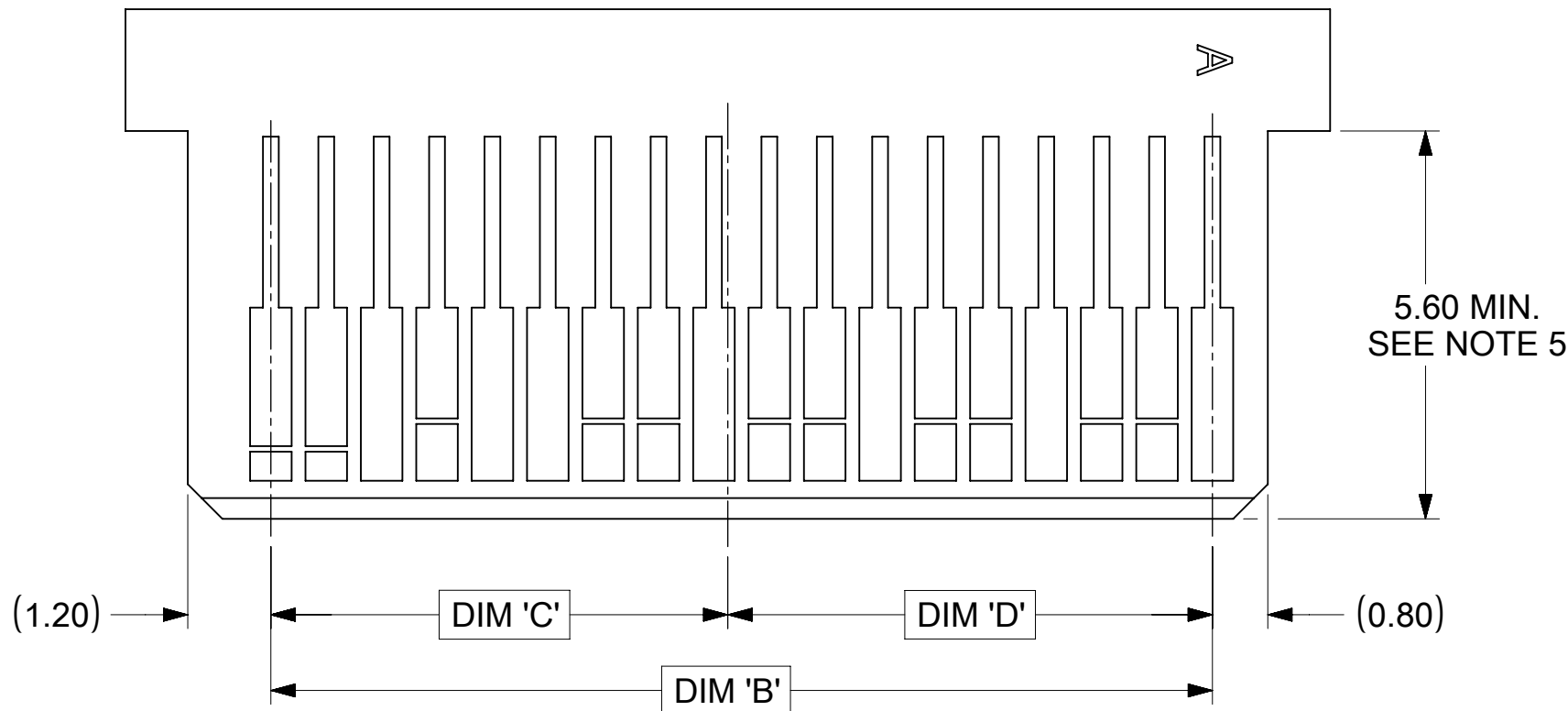
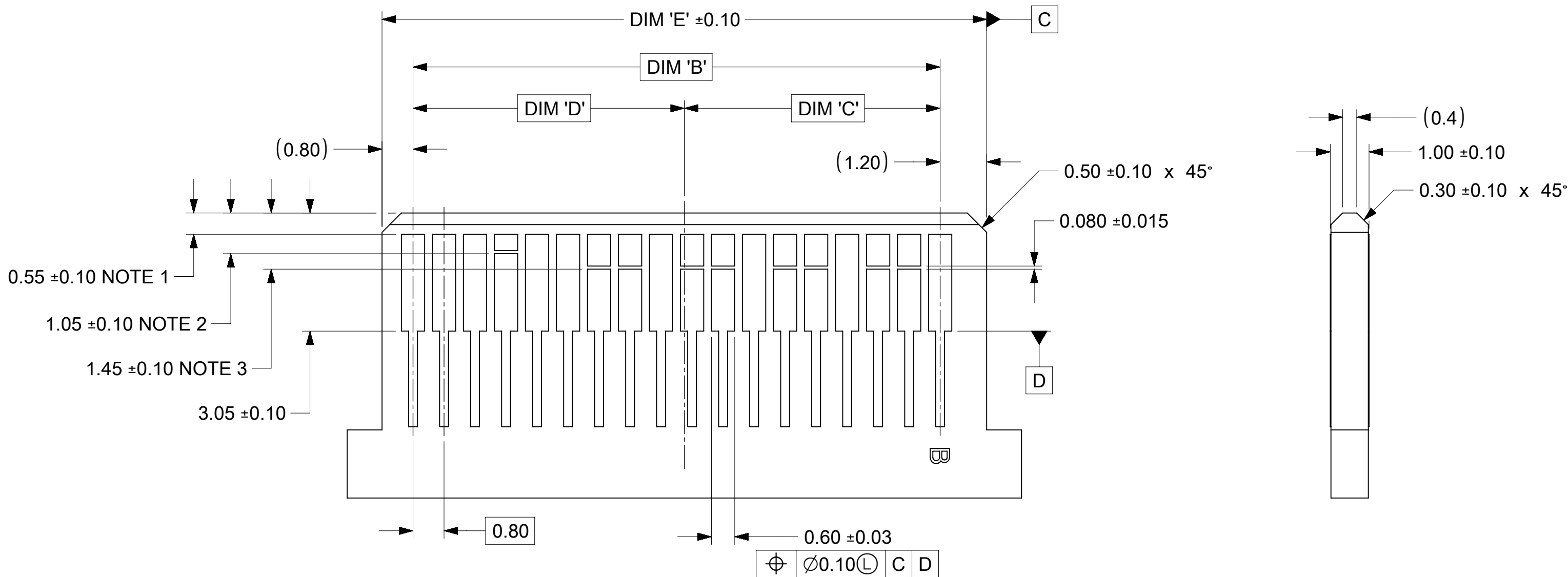
RIGHT ANGLE CONNECTOR WITH SHELL
PCB FOOT PRINT DESCRIPTIONS



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

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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 2023/03/30 CHK'D: GGA 2023/06/29 APPR: GGA 2023/06/29				PRODUCT CUSTOMER DRAWING					
ANGULAR TOL		±	0.5 °										
4 PLACES		±											
3 PLACES		±											
2 PLACES		±	0.13										
1 PLACE		±	0.25	INITIAL REVISION: DRWN: KLANG 2005/04/15 APPR: RNELSON 2005/04/18				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	

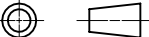
MATING INTERFACE (FOR REFERENCE ONLY)



36 CIRCUIT SHOWN

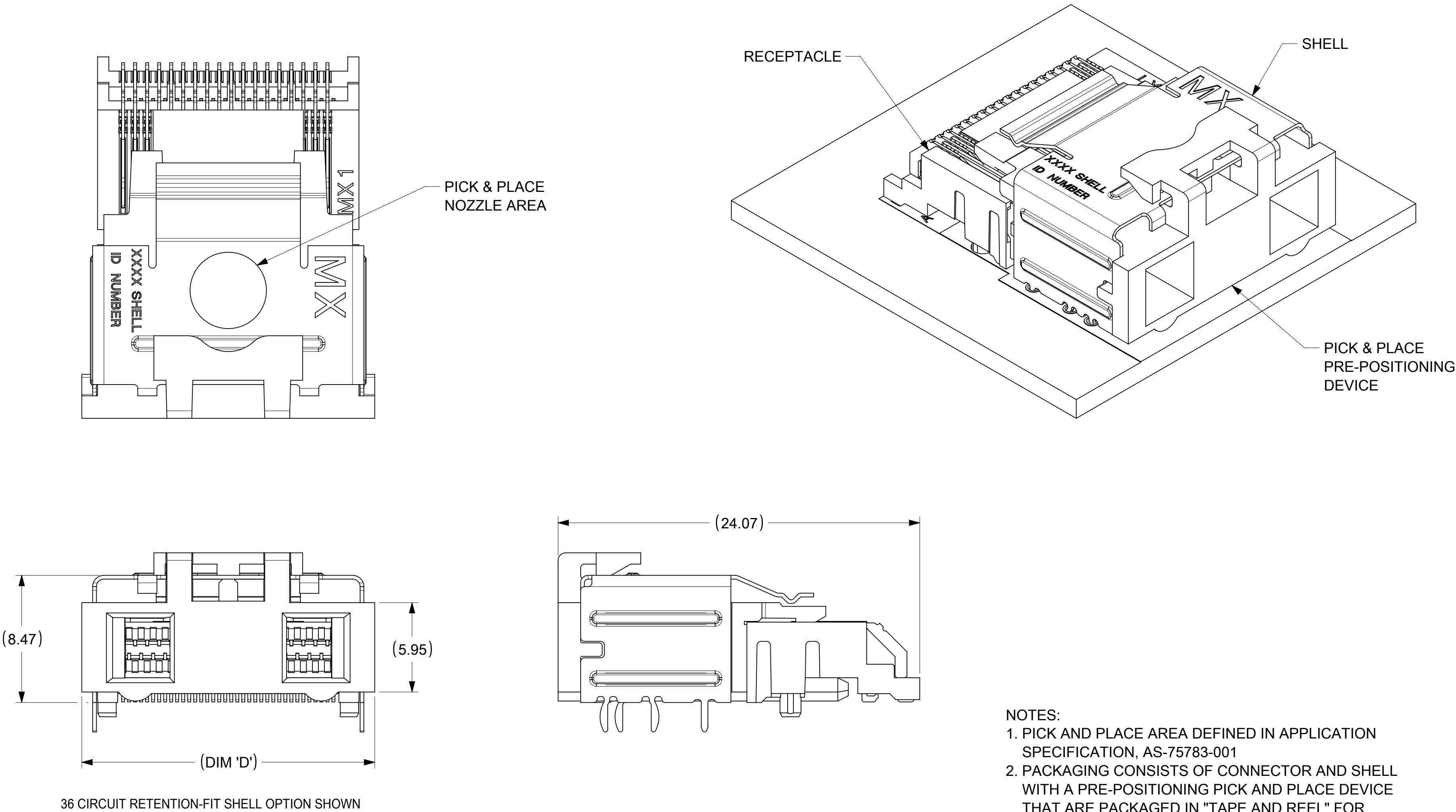
- NOTES:
- PAD CONFIGURATION FOR FIRST MATE.
 - PAD CONFIGURATION FOR SECOND MATE.
 - PAD CONFIGURATION FOR THIRD MATE.
(HIGH SPEED SIGNALS)
 - FOR PIN ASSIGNMENTS AND MATING SEQUENCE
(1ST, 2ND, 3RD), SEE APPLICABLE
SPECIFICATION.
 - MINIMUM STEP REQUIRED IF PCB MADE
WIDER THAN TONGUE.

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

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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										
1 PLACE		± 0.25		INITIAL REVISION: DRWN: KLANG 2005/04/15 APPR: RNELSON 2005/04/18			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		4 OF 12

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ASSEMBLY WITH PRE-POSITION DEVICE



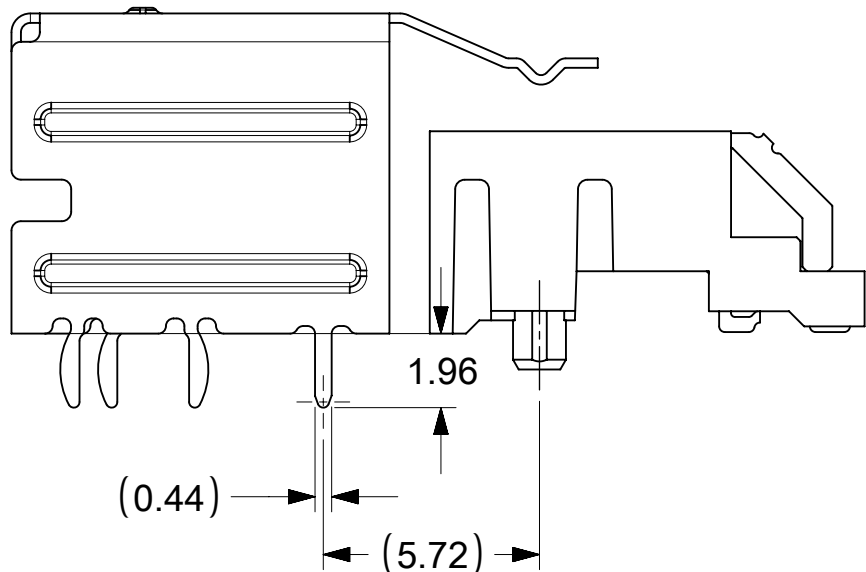
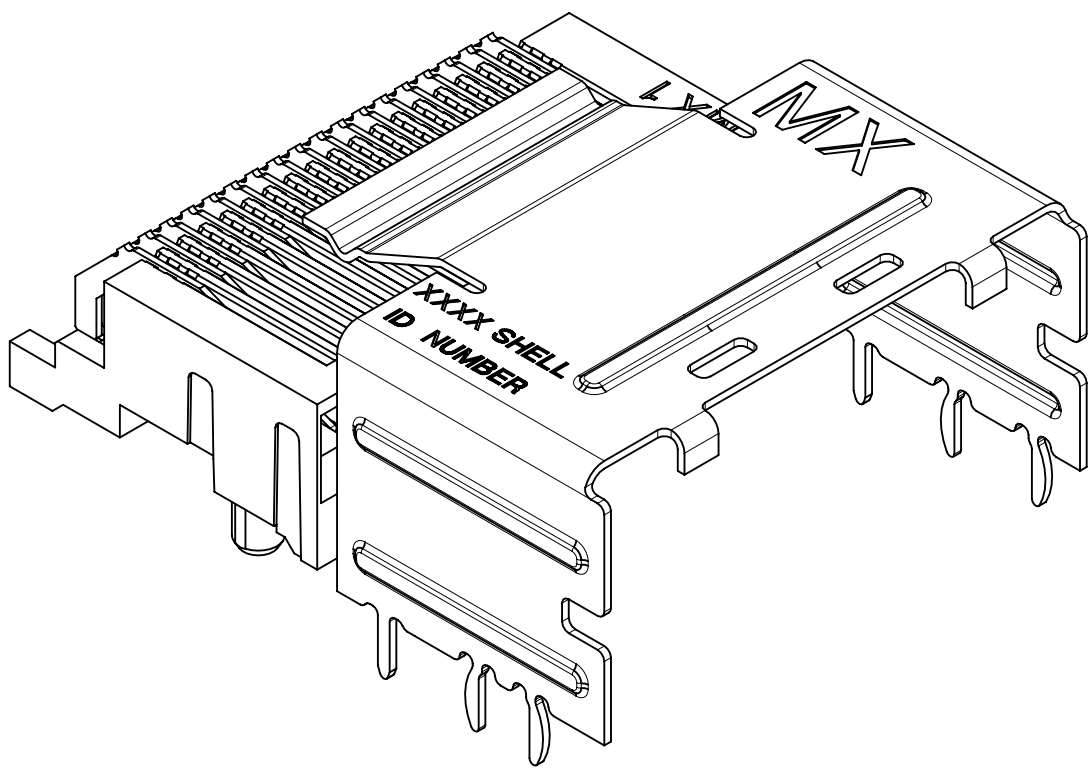
- NOTES:
- 1. PICK AND PLACE AREA DEFINED IN APPLICATION SPECIFICATION, AS-75783-001
 - 2. PACKAGING CONSISTS OF CONNECTOR AND SHELL WITH A PRE-POSITIONING PICK AND PLACE DEVICE THAT ARE PACKAGED IN "TAPE AND REEL" FOR ROBOTIC PICK AND PLACE.

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

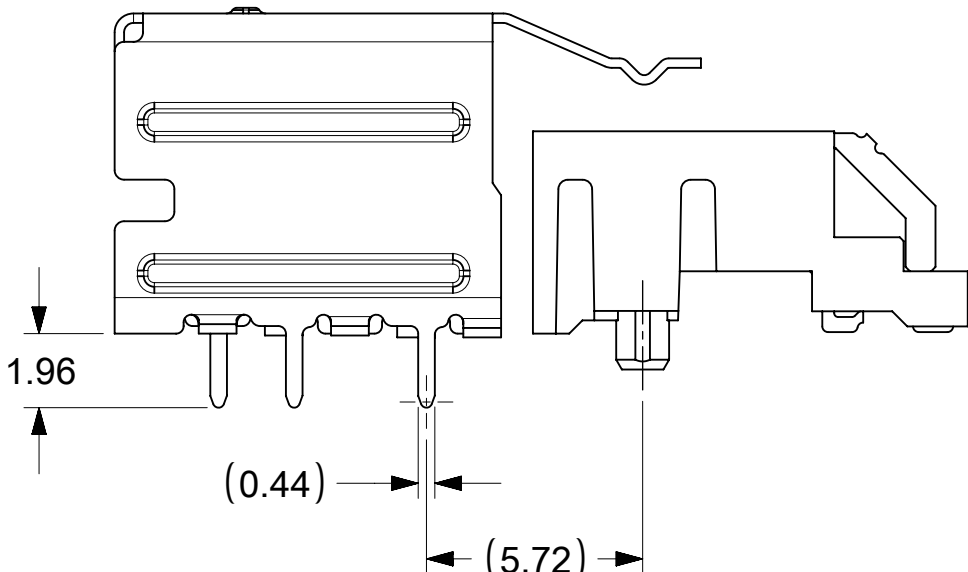
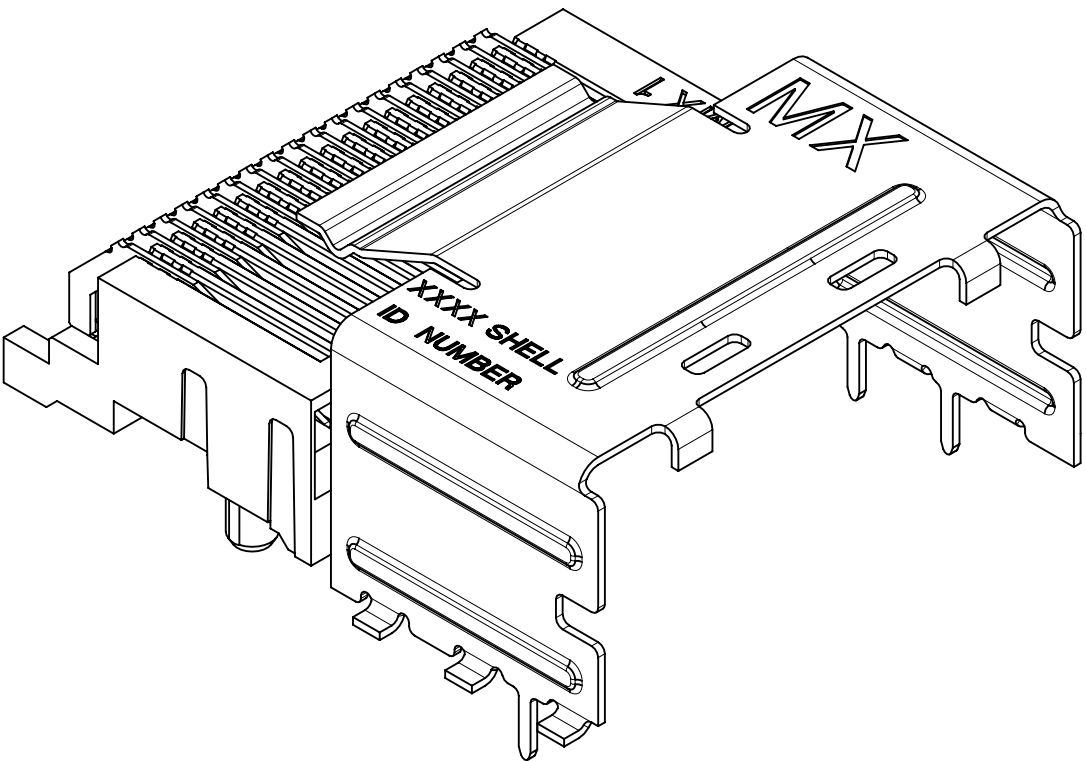
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
DIMENSION UNITS	SCALE	CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#511683.			molex				
mm	5:1								
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 755035 DRWN: ANIKES1 2023/03/30 CHK'D: GGA 2023/06/29 APPR: GGA 2023/06/29 INITIAL REVISION: DRWN: KLANG 2005/04/15 APPR: RNELSON 2005/04/18			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				
3 PLACES	±				SD-75783-001				
2 PLACES	± 0.13				DOC TYPE DOC PART REVISION				
1 PLACE	± 0.25	THIRD ANGLE PROJECTION			PSD 001 F2				
0 PLACES	±								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER		SHEET NUMBER		
		C-SIZE	75783	SEE TABLE	GENERAL MARKET		5 OF 12		

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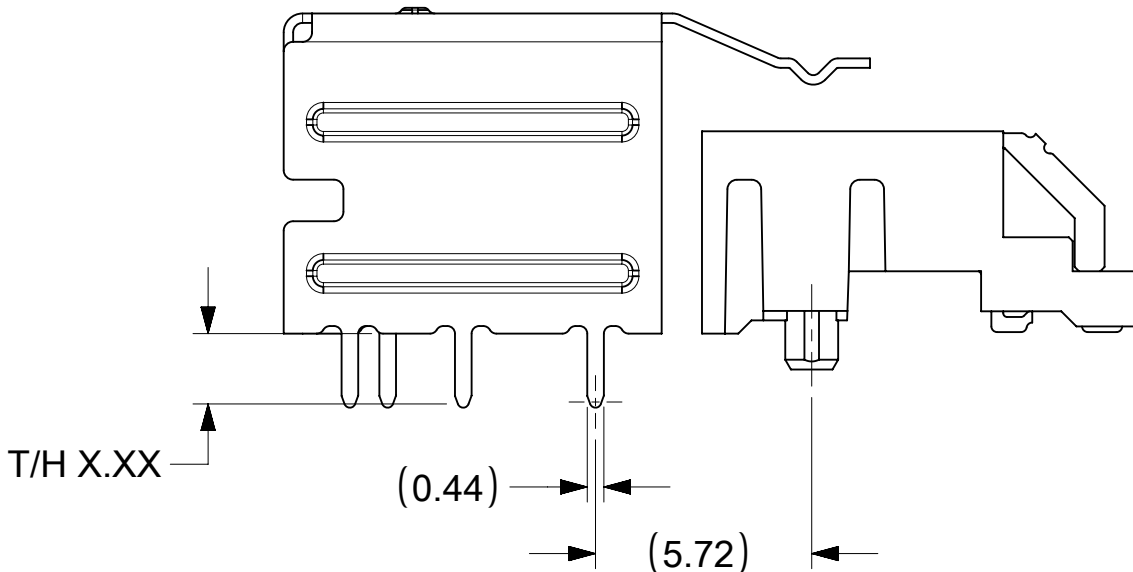
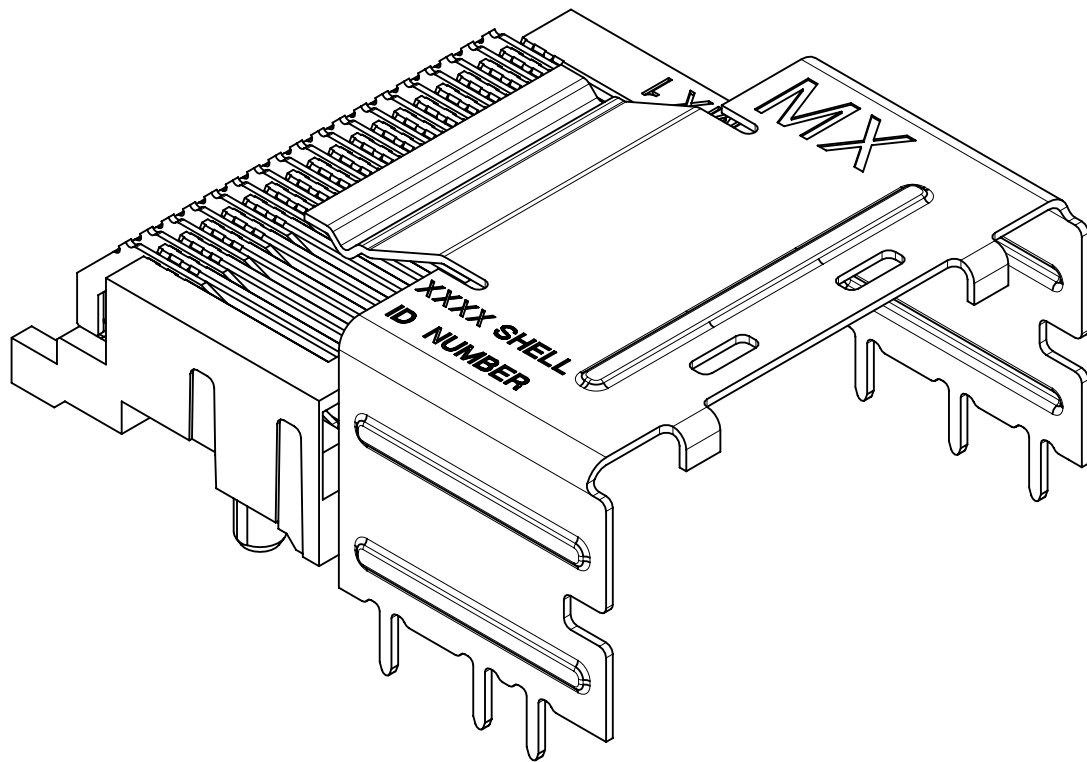
SHELL PCB INTERFACE



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.						
mm	5:1							
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 755035 DRWN: ANIKES1 CHK'D: GGA APPR: GGA INITIAL REVISION: DRWN: KLANG APPR: RNELSON	2023/03/30 2023/06/29 2023/06/29 2005/04/15 2005/04/18					
ANGULAR TOL	± 0.5°							
4 PLACES	±							
3 PLACES	±							
2 PLACES	± 0.13							
1 PLACE	± 0.25	2005/04/15						
0 PLACES	±	2005/04/18						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
			C-SIZE	75783	SD-75783-001	PSD	001	F2

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

PRODUCT CUSTOMER DRAWING

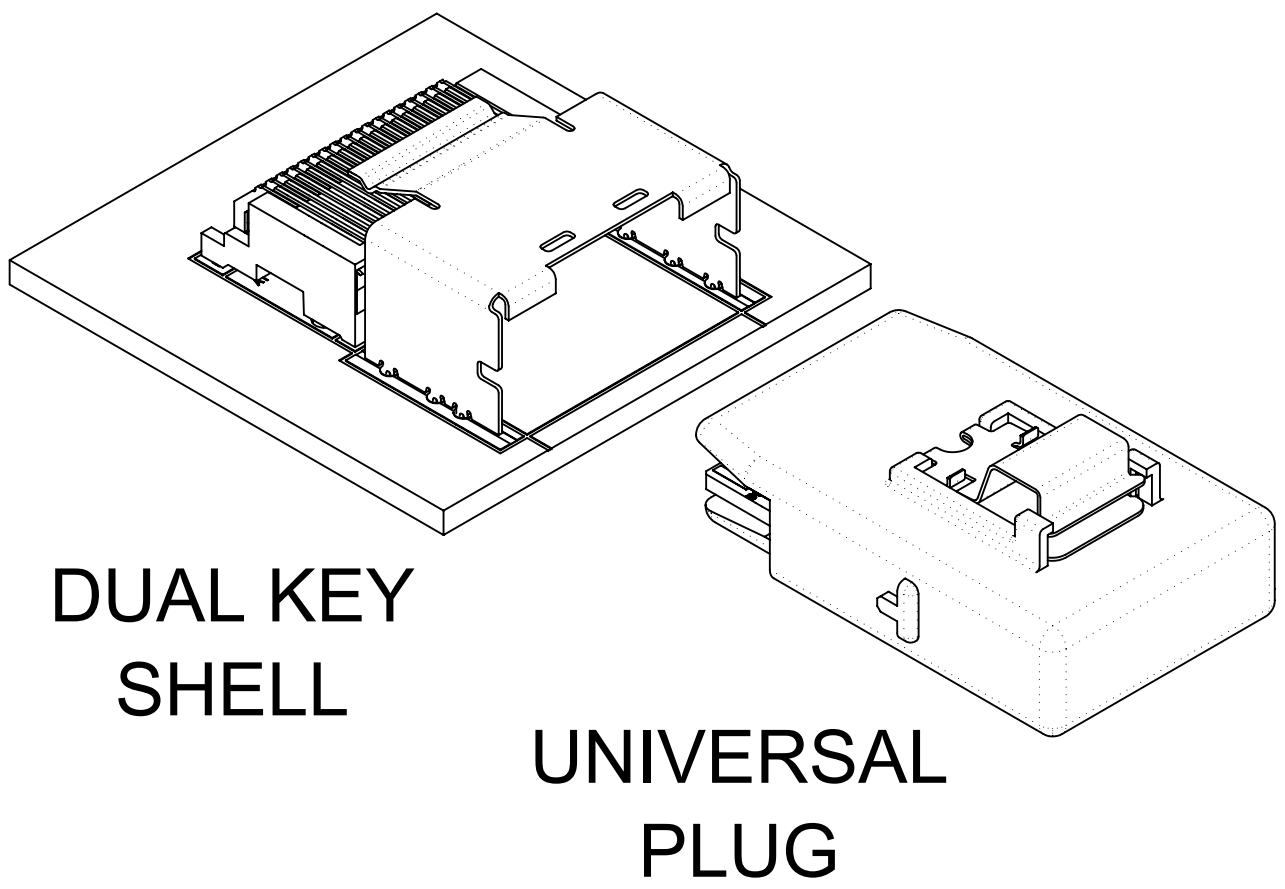
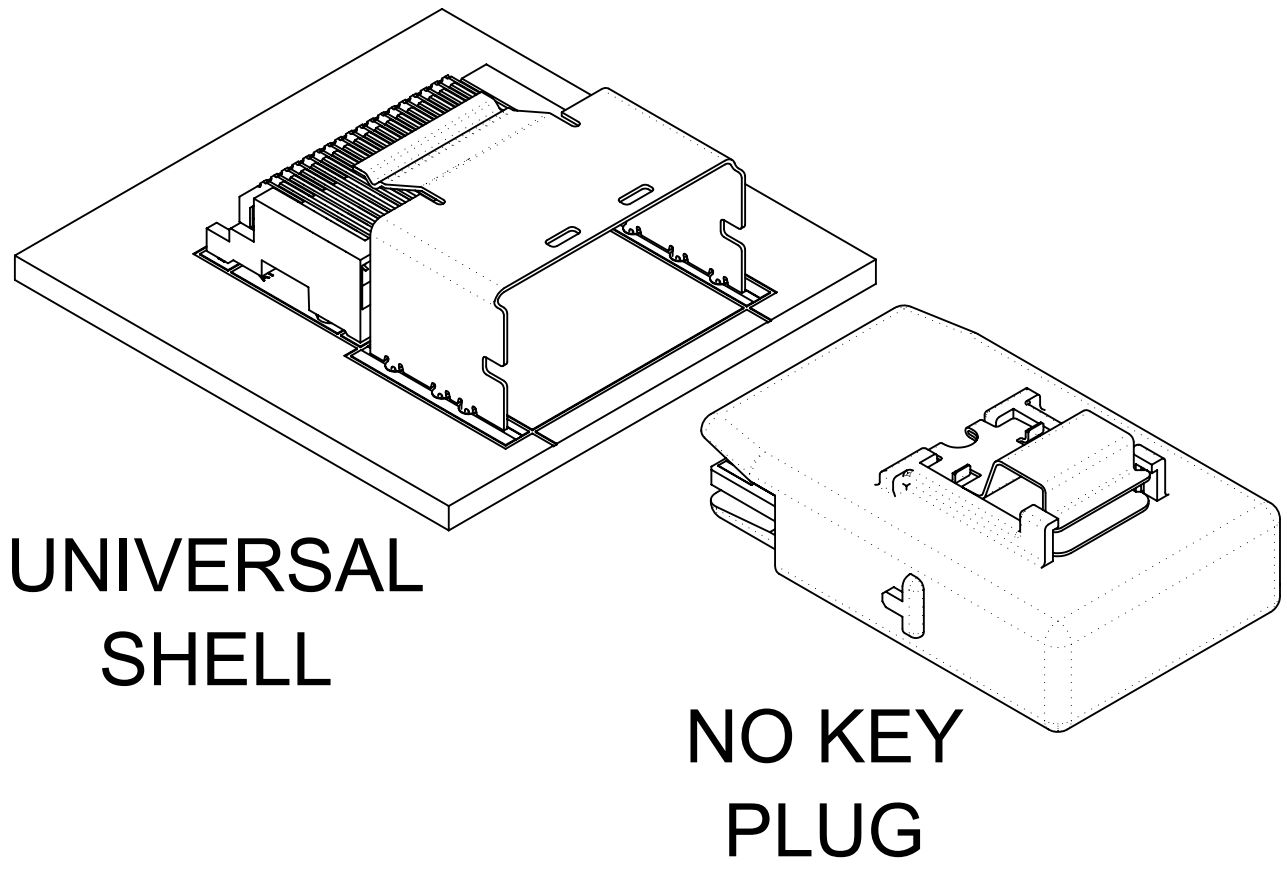
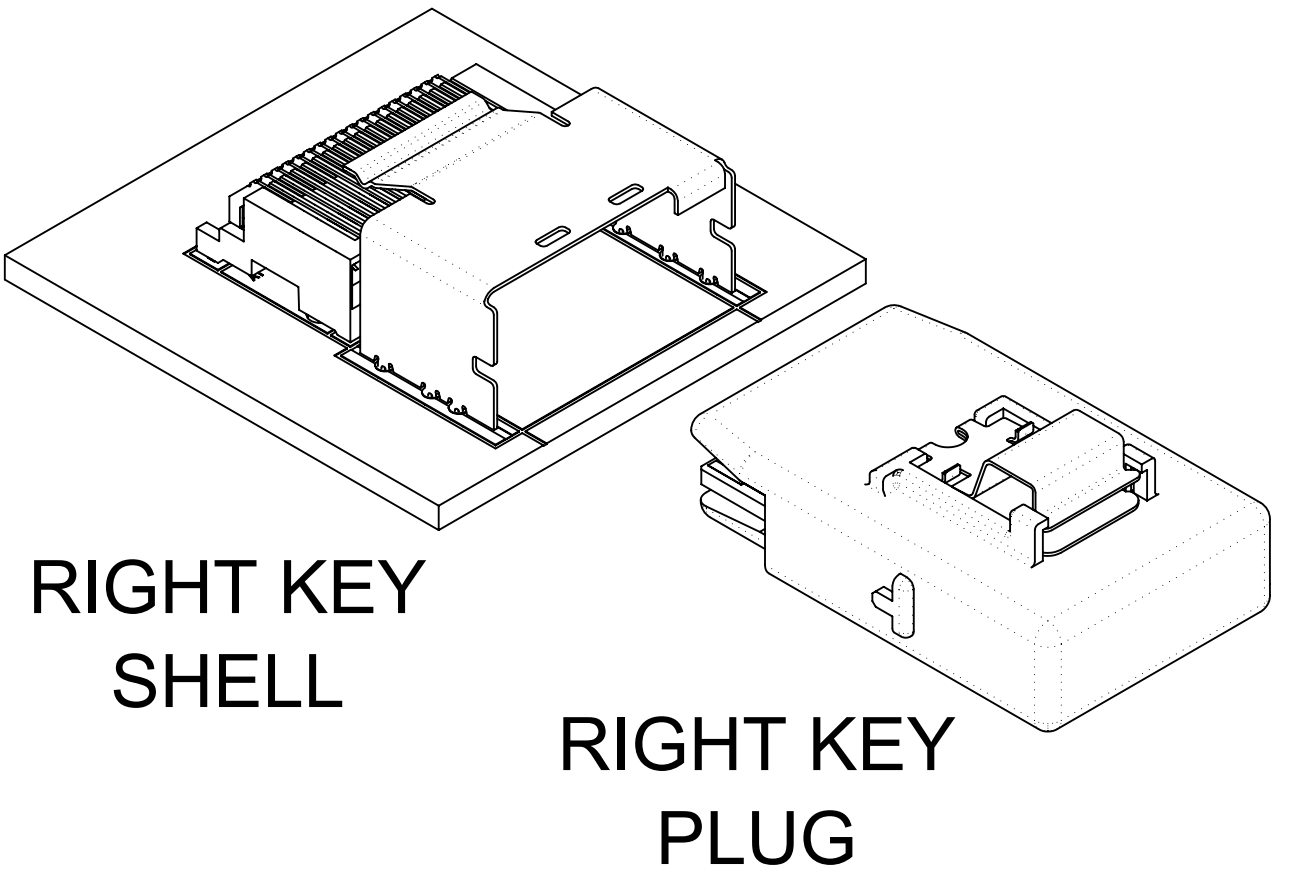
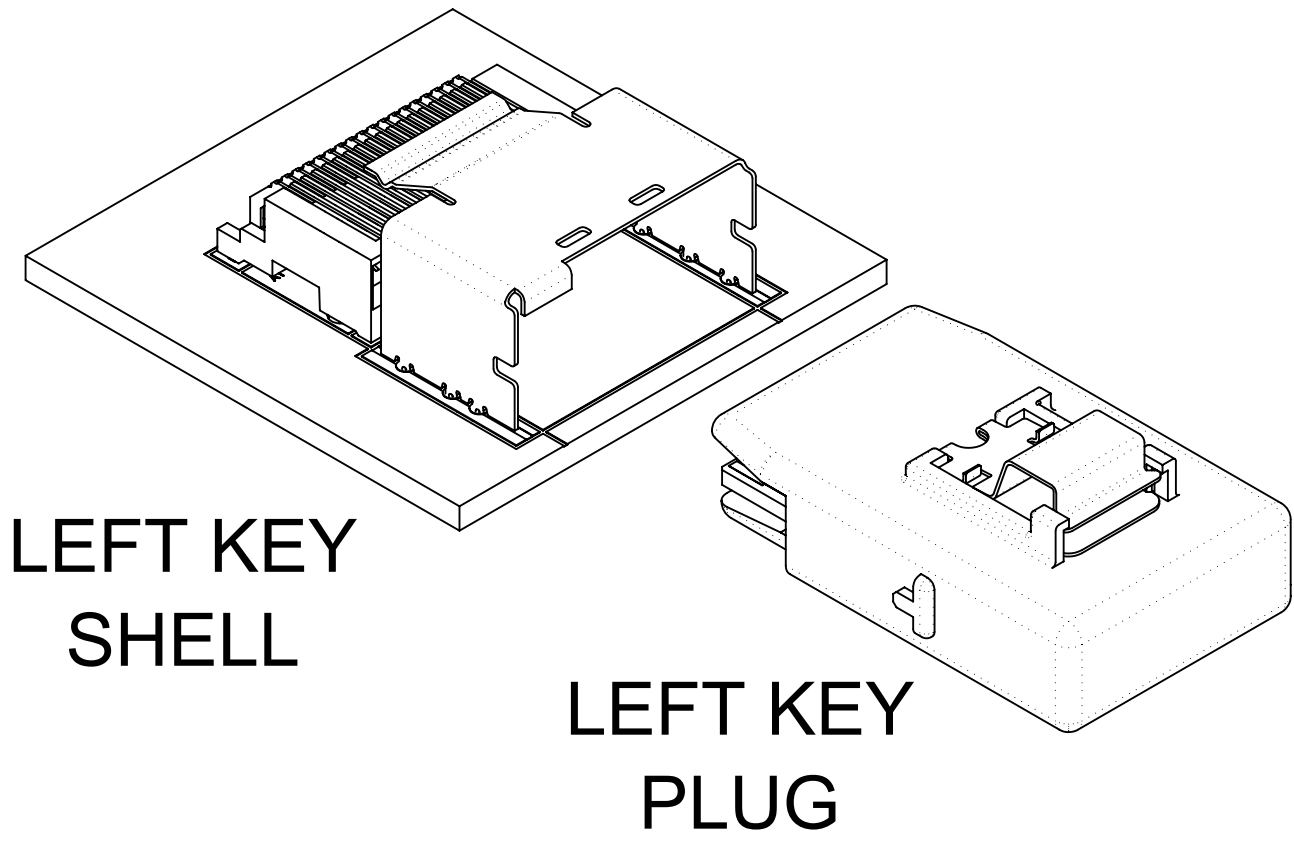
MATERIAL NUMBER
SEE TABLE

CUSTOMER
GENERAL MARKET

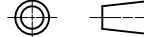
SHEET NUMBER
6 OF 12

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KEYING OPTIONS



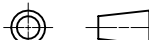
	UNIVERSAL SHELL	LEFT KEY SHELL	RIGHT KEY SHELL	DUAL KEY SHELL
NO KEY PLUG	YES	NO	NO	NO
LEFT KEY PLUG	YES	YES	NO	NO
RIGHT KEY PLUG	YES	NO	YES	NO
UNIVERSAL PLUG	YES	YES	YES	YES

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DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#511683.				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 CHK'D: GGA APPR: GGA 2023/03/30 2023/06/29 2023/06/29				PRODUCT CUSTOMER DRAWING							
ANGULAR TOL ± 0.5 °															
4 PLACES		±													
3 PLACES		±													
2 PLACES		± 0.13													
1 PLACE		± 0.25		INITIAL REVISION: DRWN: KLANG APPR: RNELSON 2005/04/15 2005/04/18				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		7 OF 12	

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									
mm		1:1						I-PASS R/A CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O									
GENERAL TOLERANCES (UNLESS SPECIFIED)																	
ANGULAR TOL ± 0.5 °								PRODUCT CUSTOMER DRAWING									
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		±		MATERIAL NUMBER SEE TABLE				CUSTOMER GENERAL MARKET				SHEET NUMBER 8 OF 12					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS																	
THIRD ANGLE PROJECTION 				DRAWING C-SIZE		SERIES 75783											

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

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DIMENSION UNITS		SCALE		molex I-PASS R/A CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER SD-75783-001 DWG TYPE PSD DWG PART 001 REVISION F2 MATERIAL NUMBER SEE TABLE CUSTOMER GENERAL MARKET SHEET NUMBER 9 OF 12					
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					
3 PLACES		±							
2 PLACES		± 0.13							
1 PLACE		± 0.25		INITIAL REVISION: DRWN: KLANG 2005/04/15 APPR: RNELSON 2005/04/18					
0 PLACES		±							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									
THIRD ANGLE PROJECTION		DRAWING		SERIES					
		C-SIZE		75783					

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

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DIMENSION UNITS	SCALE	CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#511683.		molex				
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		I-PASS R/A CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O				
ANGULAR TOL	± 0.5 °							
4 PLACES	±							
3 PLACES	±							
2 PLACES	± 0.13							
1 PLACE	± 0.25	INITIAL REVISION:		PRODUCT CUSTOMER DRAWING				
0 PLACES	±	DRWN: KLANG 2005/04/15 APPR: RNELSON 2005/04/18						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
			C-SIZE	75783	SD-75783-001	PSD	001	F2

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKET	12 OF 12