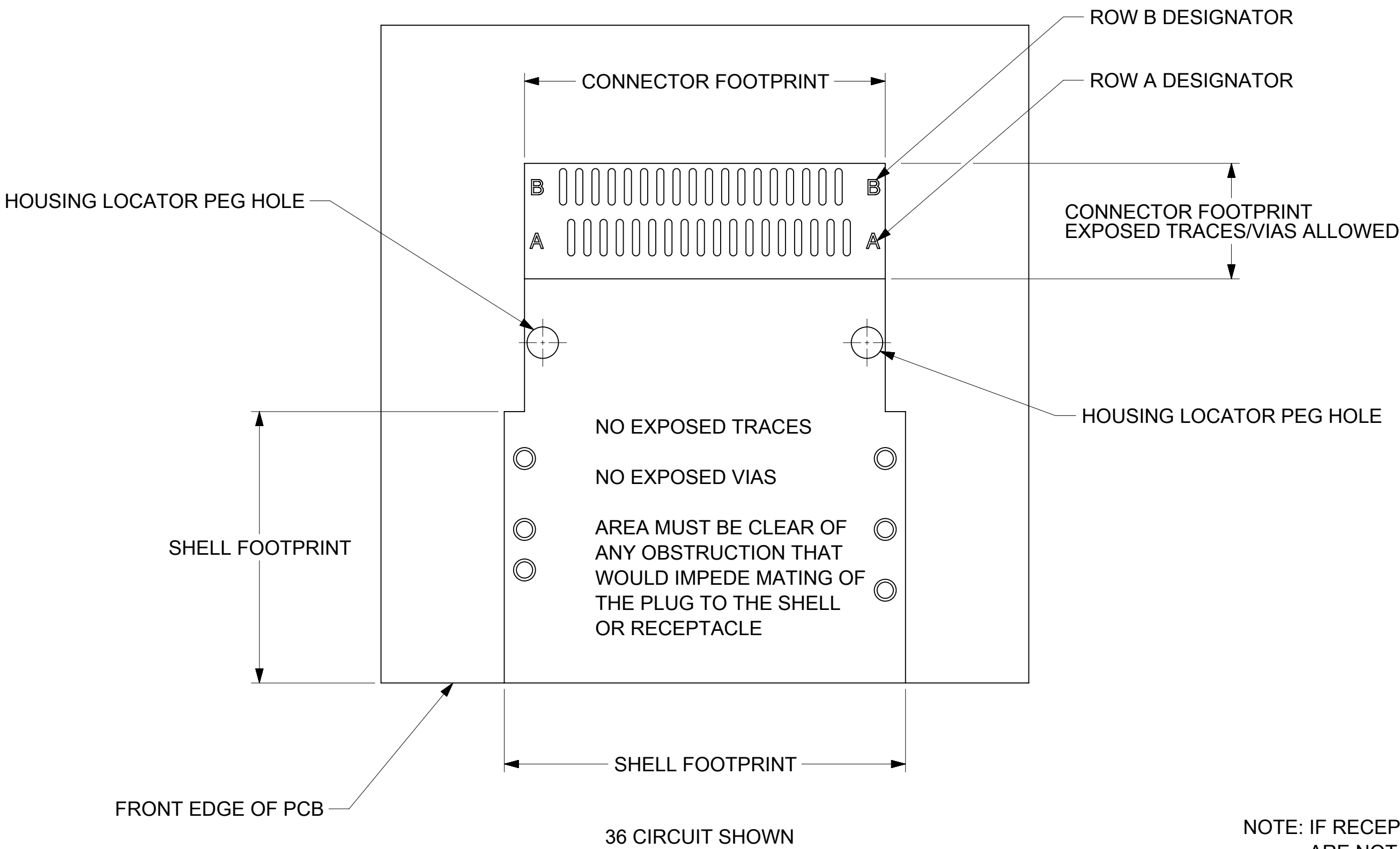
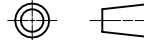


RIGHT ANGLE CONNECTOR WITH SHELL

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: 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	

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



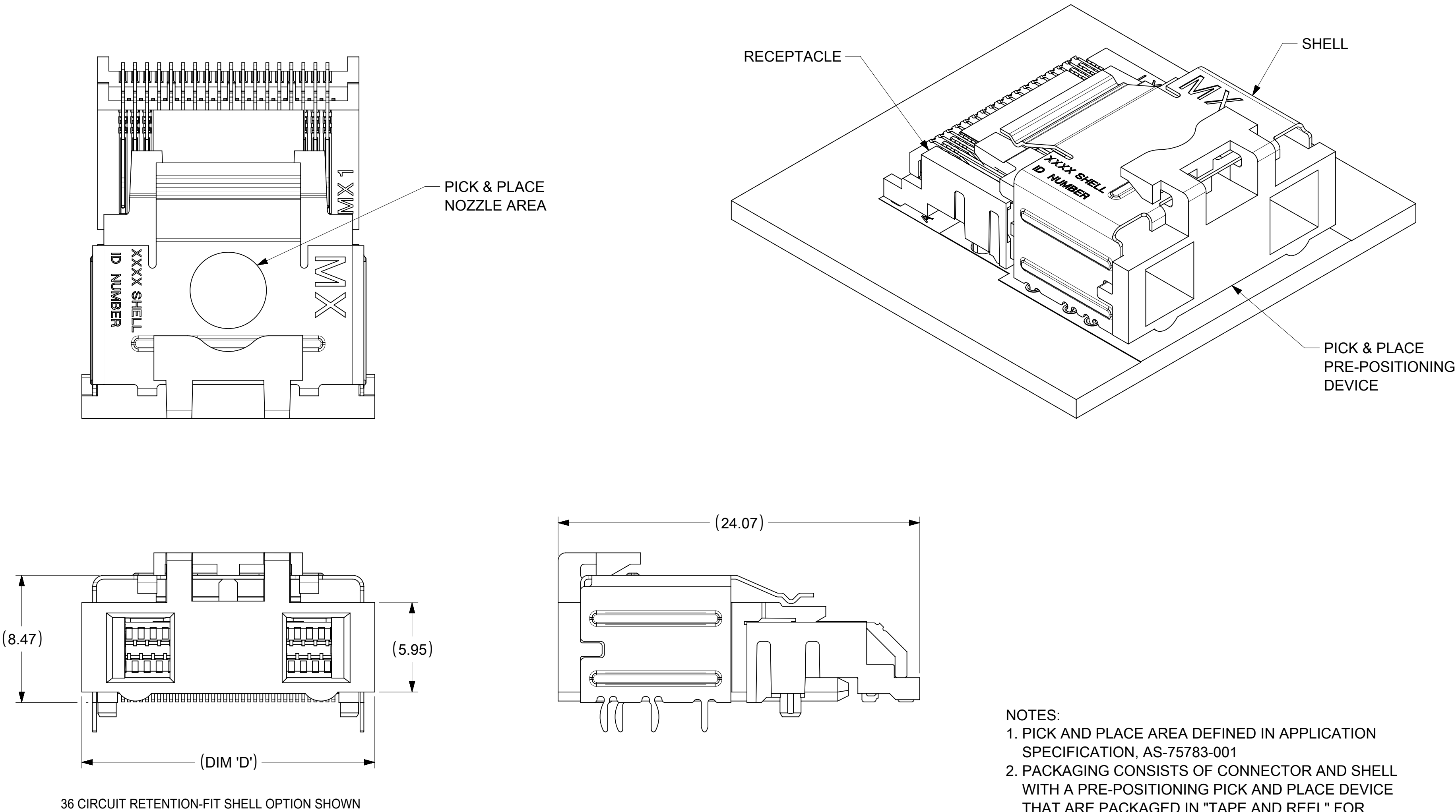
E

D

- C

BA

ASSEMBLY WITH PRE-POSITION DEVICE



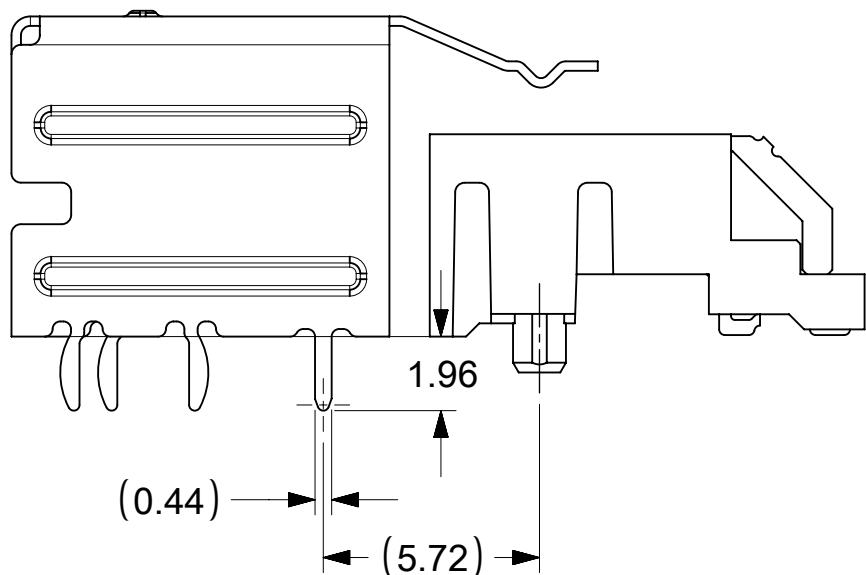
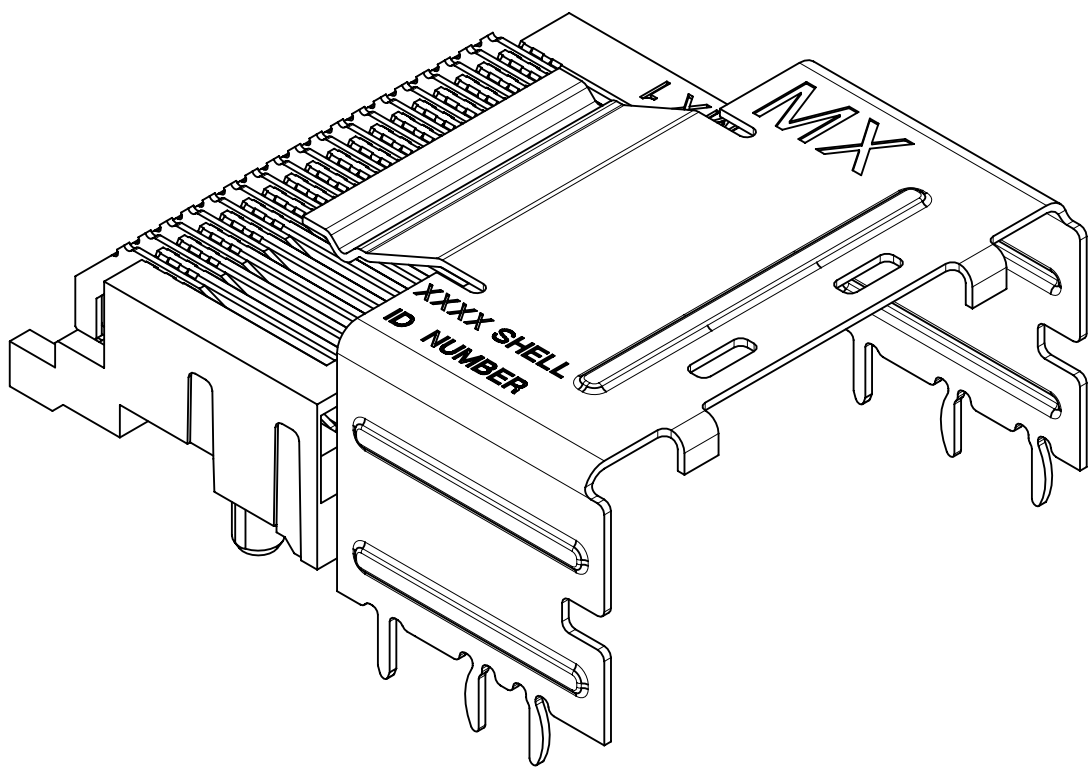
- NOTES:
- 1. PICK AND PLACE AREA DEFINED IN APPLICATION SPECIFICATION, AS-75783-001
 - 2. PACKAGING CONSISTS OF CONNECTOR AND SHELL WITH A PRE-POSITIONING PICK AND PLACE DEVICE THAT ARE PACKAGED IN "TAPE AND REEL" FOR ROBOTIC PICK AND PLACE.

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

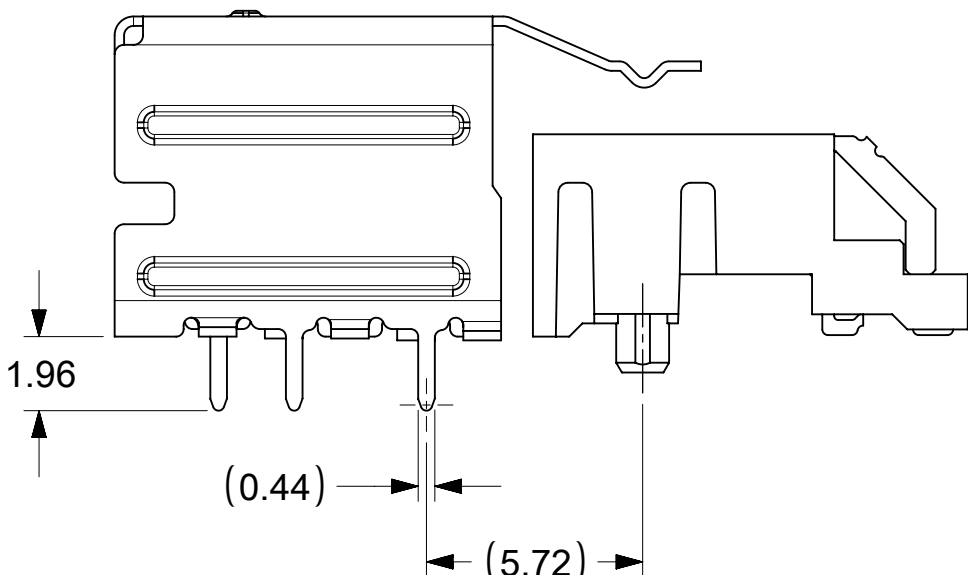
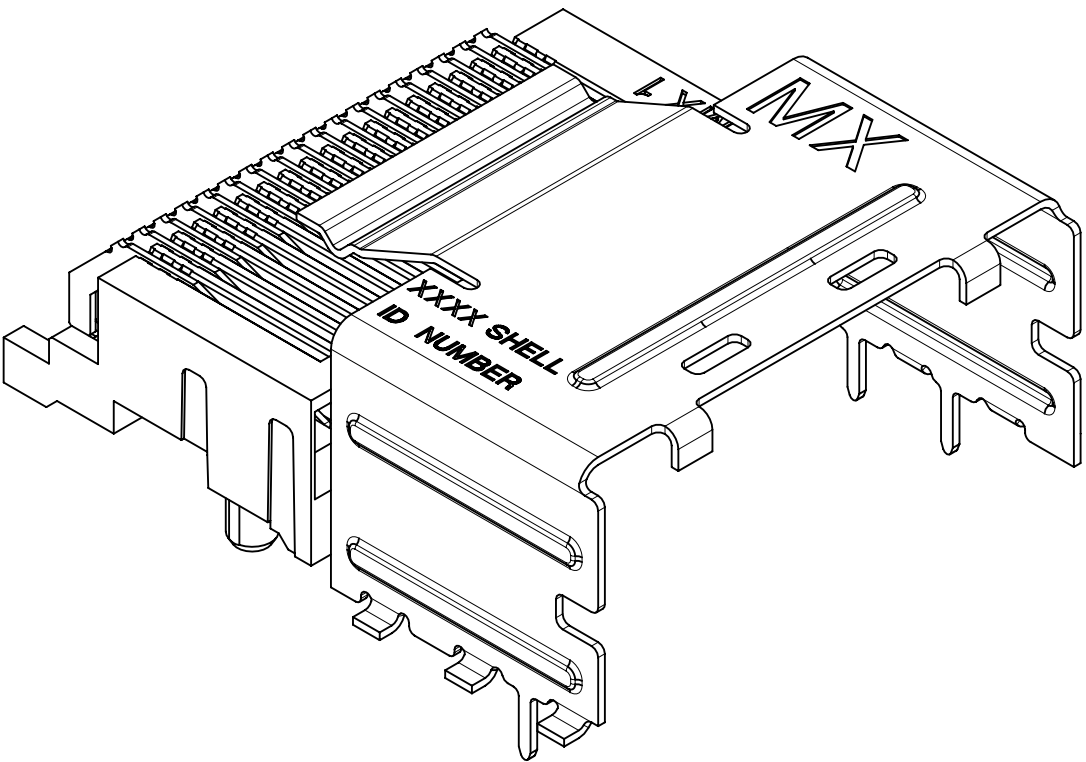
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
DIMENSION UNITS	SCALE	CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#511683.			molex				
mm	5:1								
GENERAL TOLERANCES (UNLESS SPECIFIED)		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		DOC TYPE	DOC PART	REVISION
3 PLACES	±				SD-75783-001		PSD	001	F2
2 PLACES	± 0.13				MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
1 PLACE	± 0.25	THIRD ANGLE PROJECTION		DRAWING	SERIES	SEE TABLE	GENERAL MARKET		5 OF 12
0 PLACES	±	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		C-SIZE	75783				

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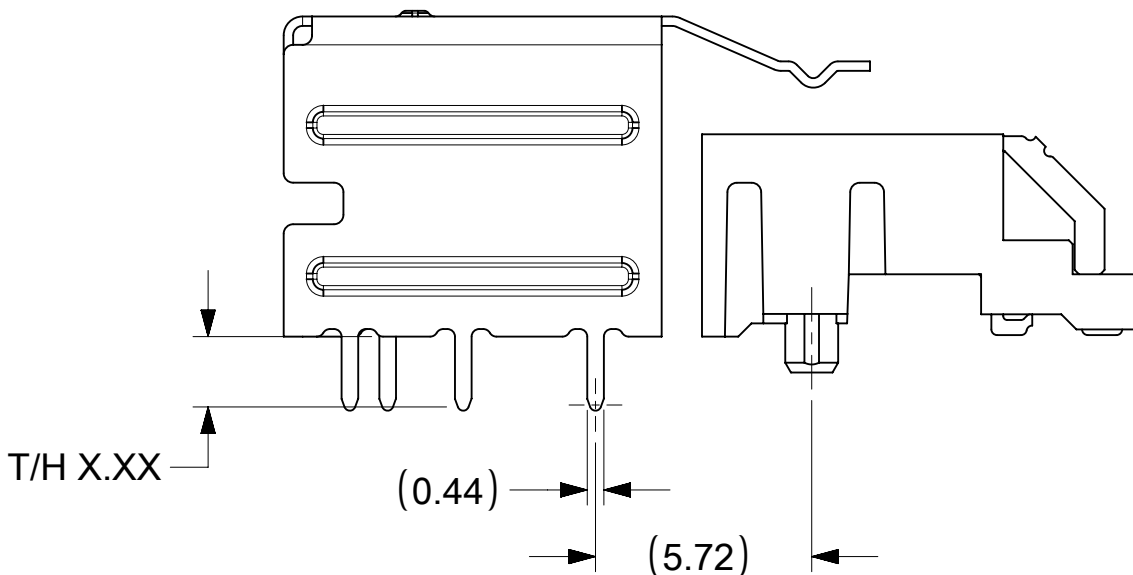
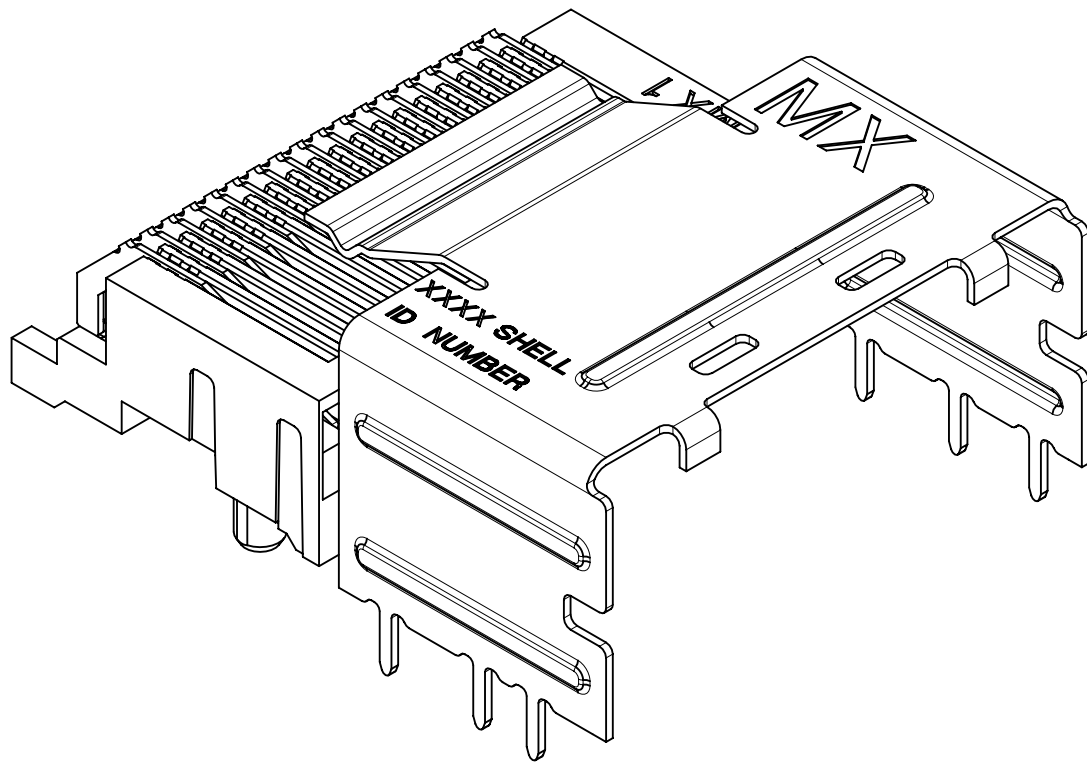
SHELL PCB INTERFACE



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)			
ANGULAR TOL	± 0.5°		
4 PLACES	±	EC NO: 755035	
3 PLACES	±	DRWN: ANIKES1	2023/03/30
2 PLACES	± 0.13	CHK'D: GGA	2023/06/29
1 PLACE	± 0.25	APPR: GGA	2023/06/29
0 PLACES	±	INITIAL REVISION:	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRWN: KLANG	2005/04/15
		APPR: RNELSON	2005/04/18

C-SIZE

THIRD ANGLE PROJECTION

SERIES

75783

SEE TABLE

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

SD-75783-001

DOC TYPE

PSD

DOC PART

001

REVISION

F2

MATERIAL NUMBER

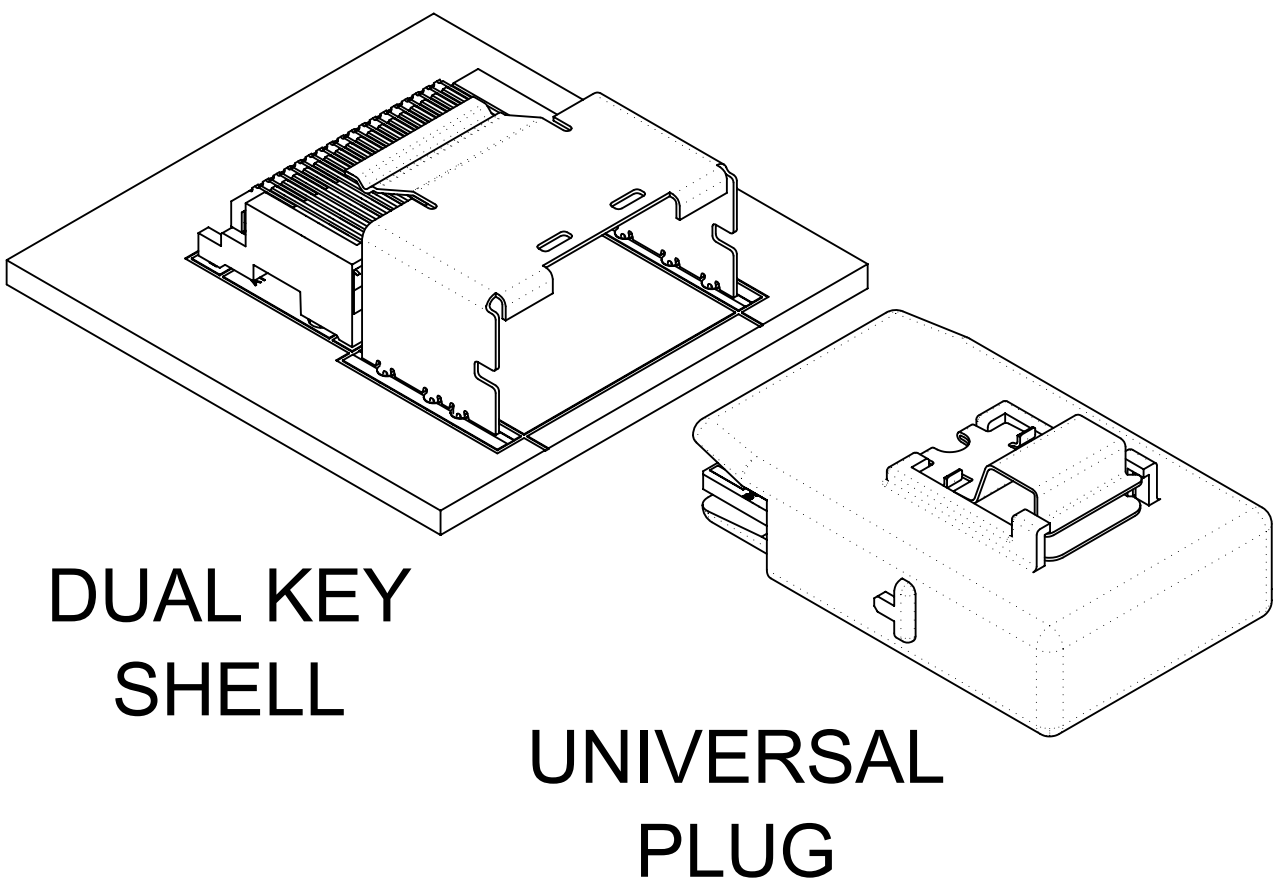
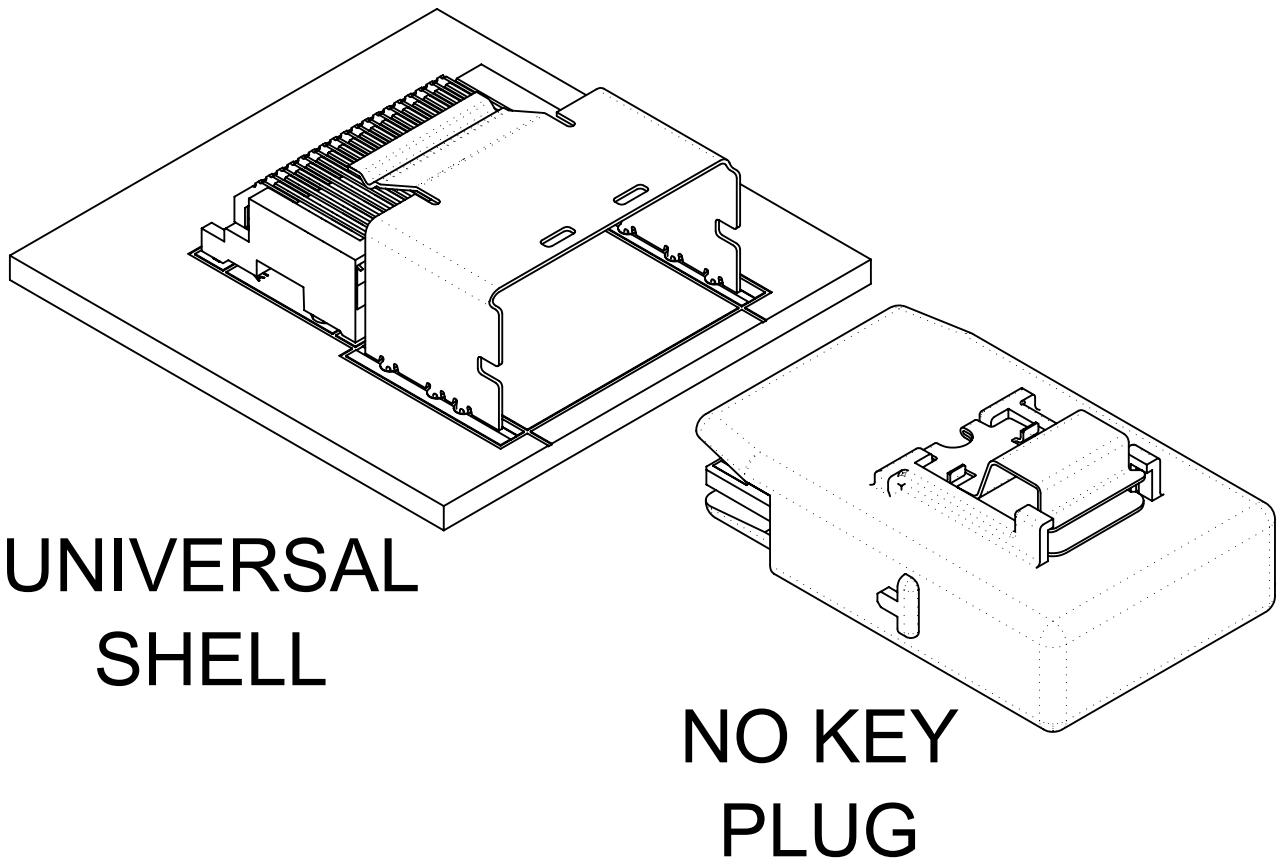
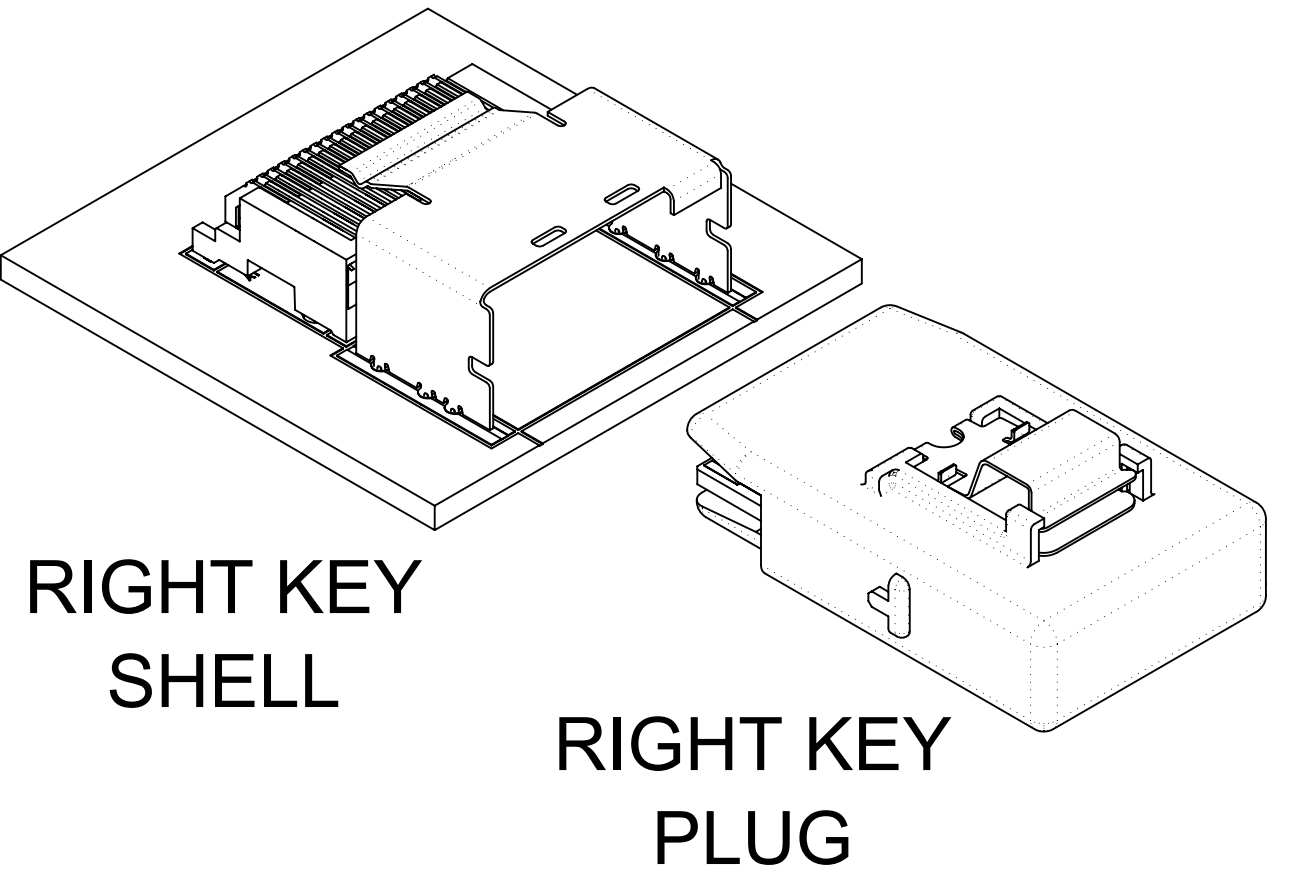
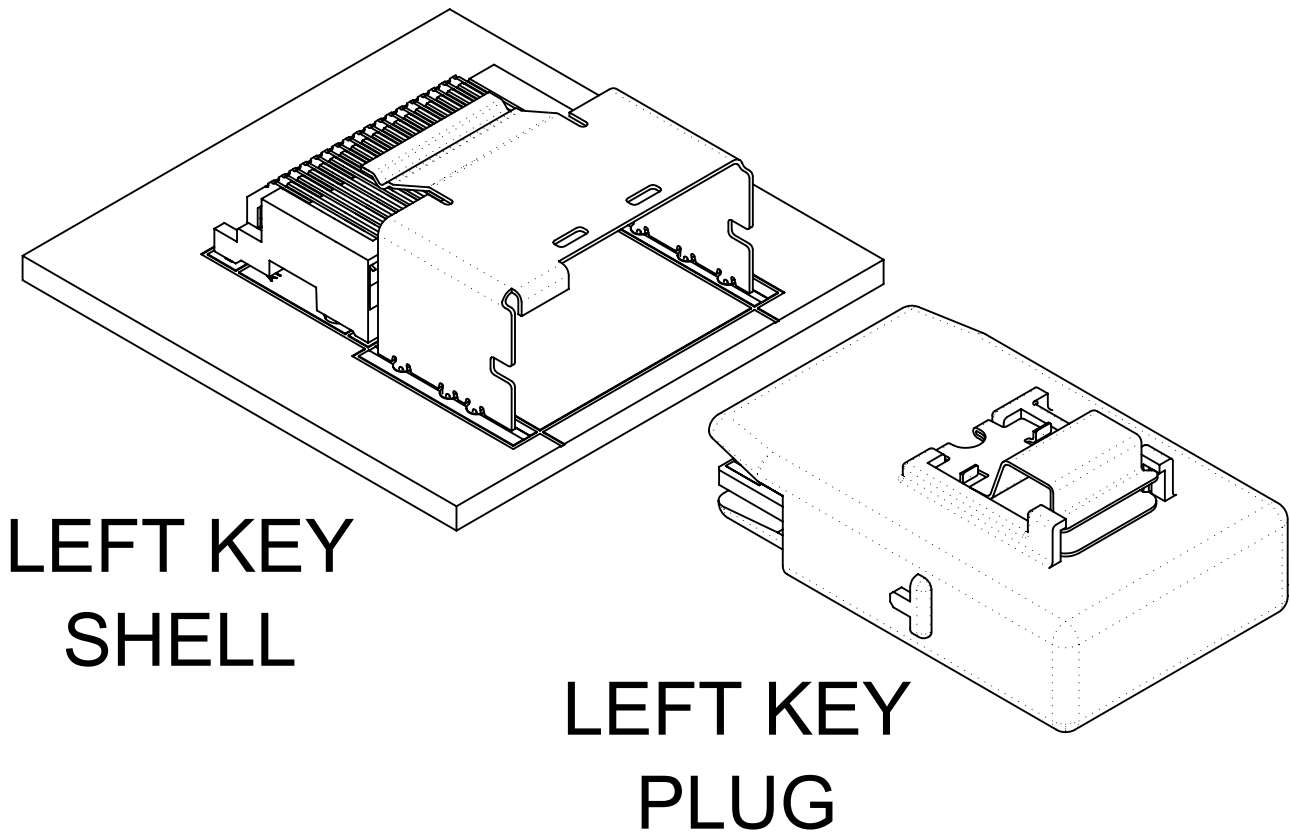
CUSTOMER

SHEET NUMBER

GENERAL MARKET

6 OF 12

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

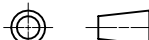
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#511683.				molex							
mm		1:1													
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 755035 DRWN: ANIKES12023/03/30 CHK'D: GGA2023/06/29 APPR: GGA2023/06/29				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: 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		7 OF 12	

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

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)								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 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

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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)									
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:	DOCUMENT NUMBER			DOC TYPE	DOC PART	REVISION	
0 PLACES	±	DRWN: KLANG 2005/04/15 APPR: RNELSON 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		9 OF 12	

DOCUMENT STATUS	P1	RELEASE DATE	2023/06/29	13:27:16
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FORMAT: master-B-9900-C
REVISION: J1
DATE: 2023/05/01

12

11

10

9

8

7

6

5

4

3

2

1

68 CIRCUIT ITEM NUMBERS

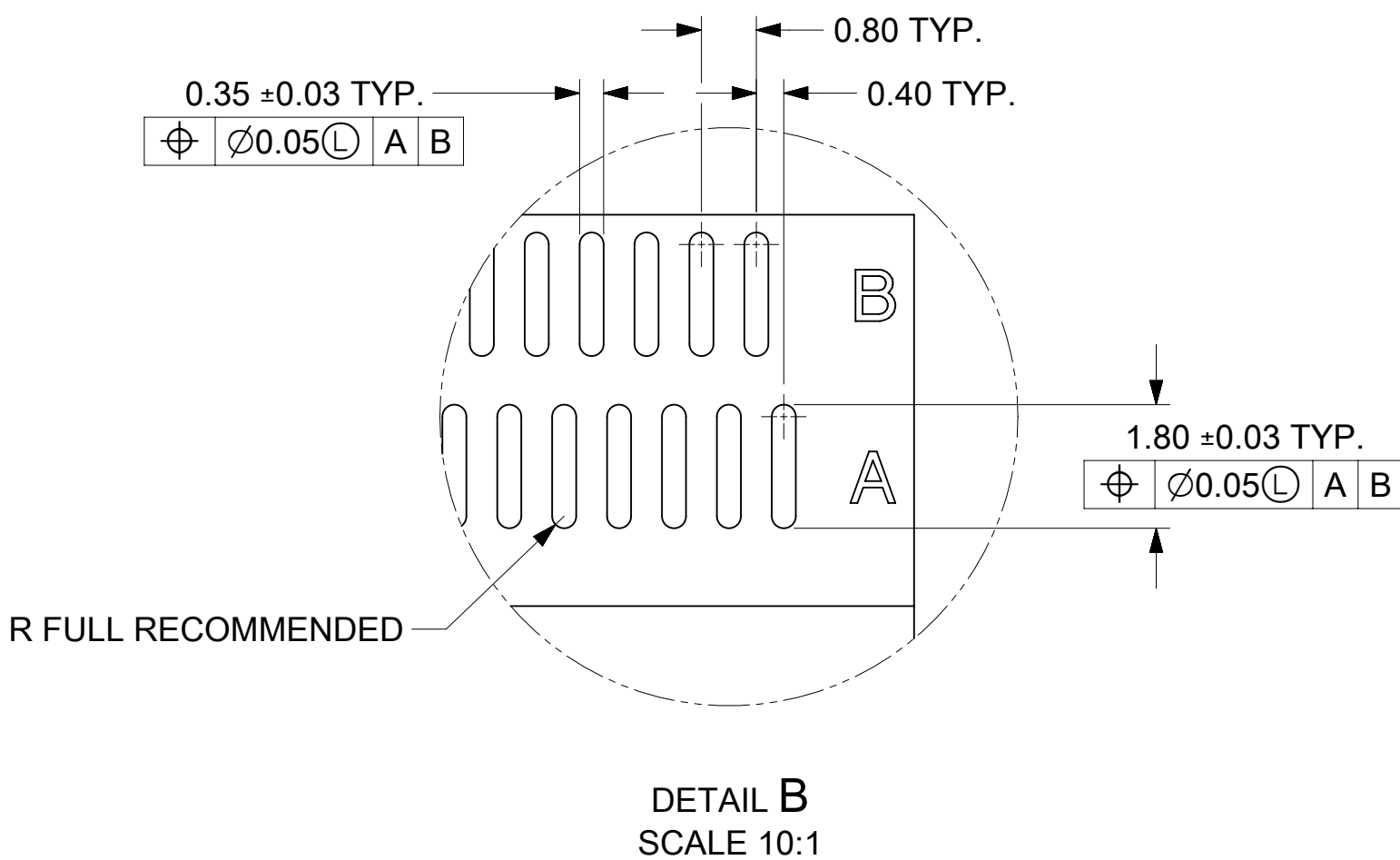
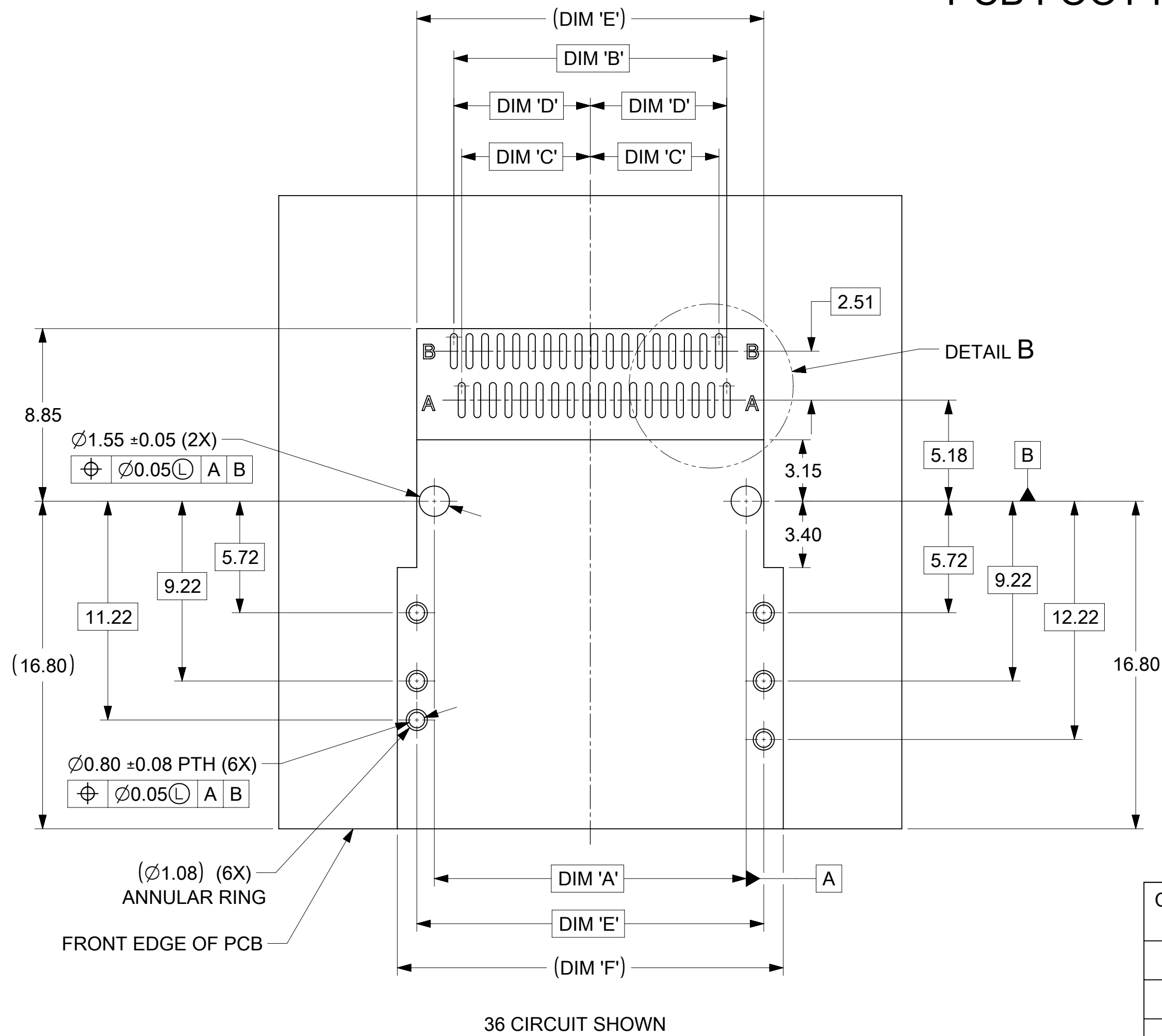
CIRCUIT SIZE	ITEM NUMBER	PLATING OPTION	SHELL PCB OPTION	SHELL KEY OPTION
68	75783-0328	OPTION 2	SMT	UNIVERSAL
68	75783-0332	OPTION 1	T/H 1.96	UNIVERSAL
68	75783-0334	OPTION 2	T/H 1.96	RIGHT

CIRCUIT SIZE	ITEM NUMBER	PLATING OPTION	SHELL PCB OPTION	SHELL KEY OPTION
68	75783-0337	OPTION 1	T/H 2.79	LEFT
68	75783-0338	OPTION 1	T/H 2.79	RIGHT
68	75783-0348	OPTION 1	T/H 3.18	UNIVERSAL
68	75783-0352	OPTION 2	T/H 3.18	UNIVERSAL

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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)								
ANGULAR TOL	± 0.5 °		EC NO: 755035 DRWN: ANIKES1 2023/03/30 CHK'D: GGA 2023/06/29 APPR: GGA 2023/06/29	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	INITIAL REVISION:						
0 PLACES	±	DRWN: KLANG 2005/04/15 APPR: RNELSON 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	10 OF 12	

RIGHT ANGLE CONNECTOR
WITH RETENTION FIT & THRU-HOLE SHELL
PCB FOOT PRINT



	PEG TO PEG	FIRST PAD TO LAST PAD	CENTERLINE TO PAD	CENTERLINE TO PAD	CONNECTOR WIDTH SHELL PEG TO PEG	SHELL FOOTPRINT WIDTH
CIRCUIT SIZE	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'	DIM 'F'
36	16.00	14.00	6.60	7.00	17.80	19.80
50	21.60	19.60	9.40	9.80	23.40	25.40
68	28.80	26.80	13.00	13.40	30.60	32.60

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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)								
ANGULAR TOL	± 0.5°							
4 PLACES	±							
3 PLACES	±	EC NO: 755035	2023/03/30					
2 PLACES	± 0.13	DRWN: ANIKES1						
1 PLACE	± 0.25	CHK'D: GGA						
0 PLACES	±	APPR: GGA	2023/06/29					
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

PRODUCT CUSTOMER DRAWING

INITIAL REVISION:

DRWN: KLANG

APPR: RNELSON

2005/04/15

2005/04/18

2023/06/29

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 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