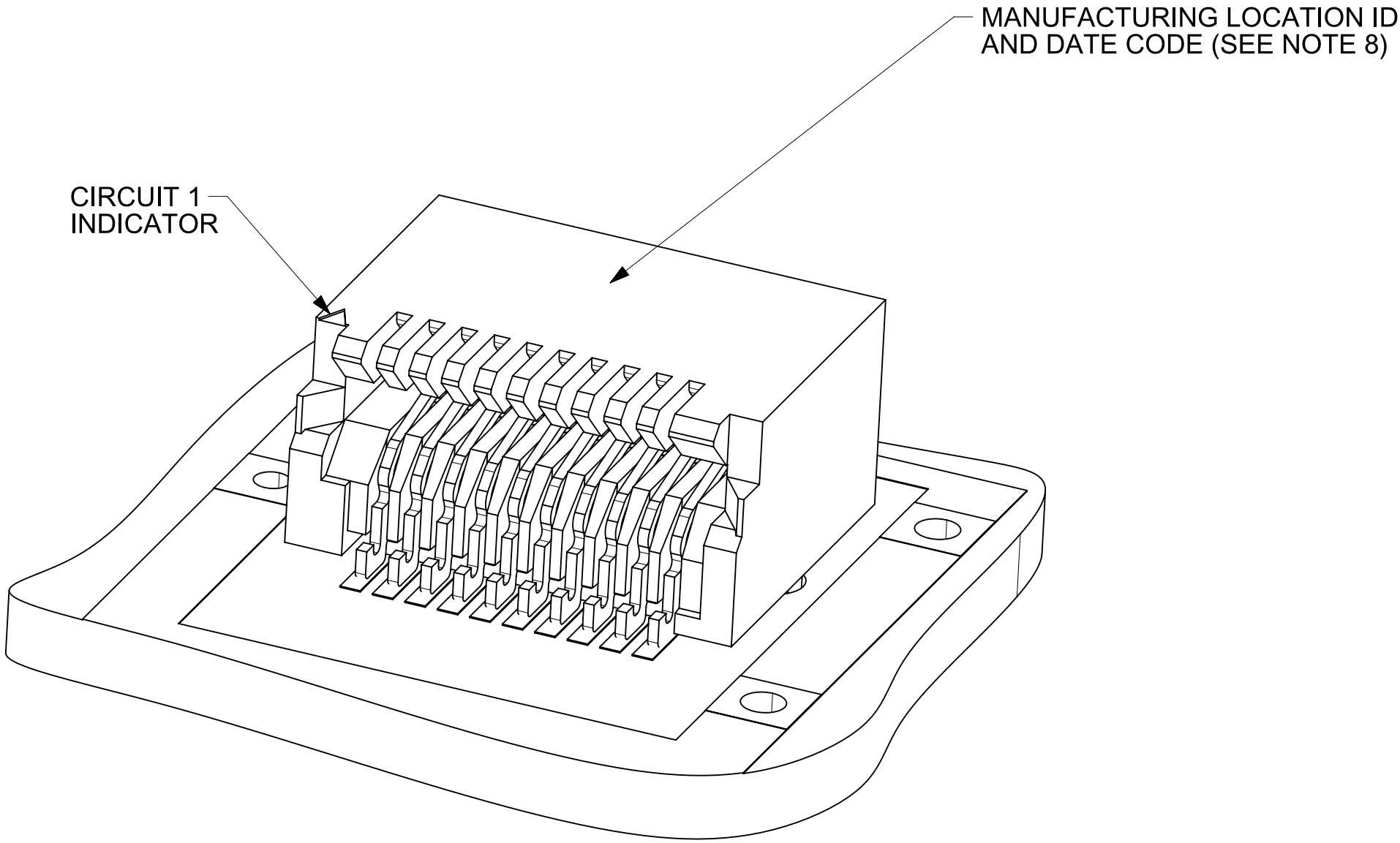


CKT SIZE	PART NUMBER	TOOLED	DESCRIPTION	DIMENSIONS				MULTI-SOURCE AGREEMENT	CIRCUIT BOARD LAYOUT
				"A"	"B"	"C"	"D"		
20	74441-0001	YES	PLATED PER NOTE 2	1.10/.043	11.00/.433	9.40/.370	9.60/.378	SFP	SEE SHEET 3
	74441-0004	NO*	PLATED PER NOTE 2	0.76/.030					
	74441-0010	YES	PLATED PER NOTE 3	1.10/.043					
	74441-0014	NO*	PLATED PER NOTE 3	0.76/.030					
30	74441-0007	YES	PLATED PER NOTE 2	1.10/.043	15.00/.591	13.40/.528	13.60/.535	XFP	SEE SHEET 4
70	74441-0003	YES	PLATED PER NOTE 2	1.10/.043	31.00/1.220	29.40/1.517	29.60/1.165	XENPAK XPAK X2	SEE SHEET 5

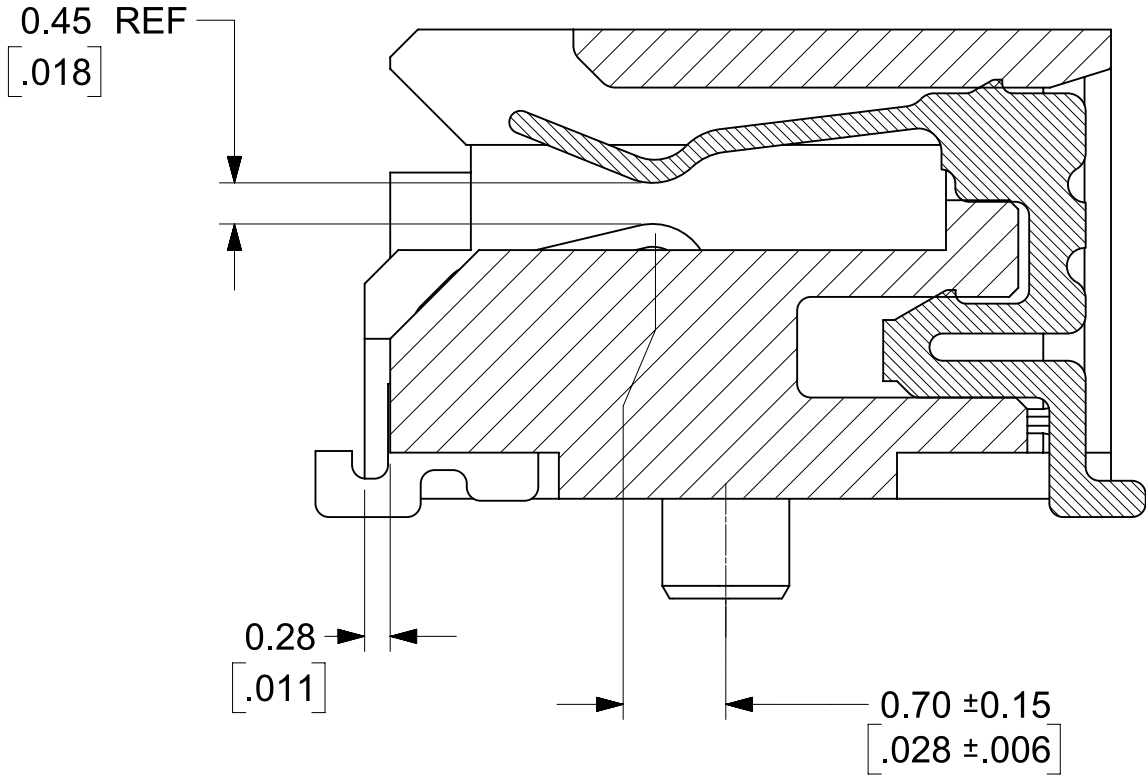
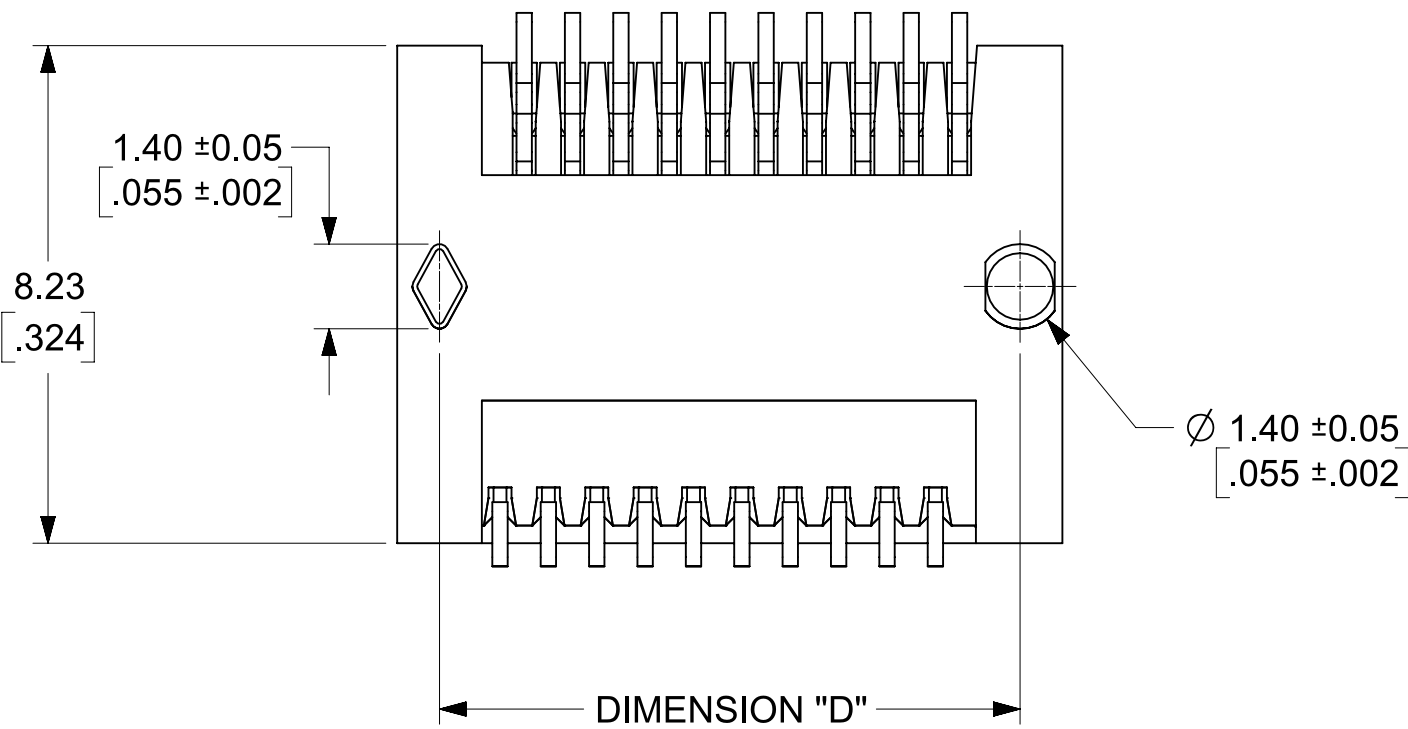
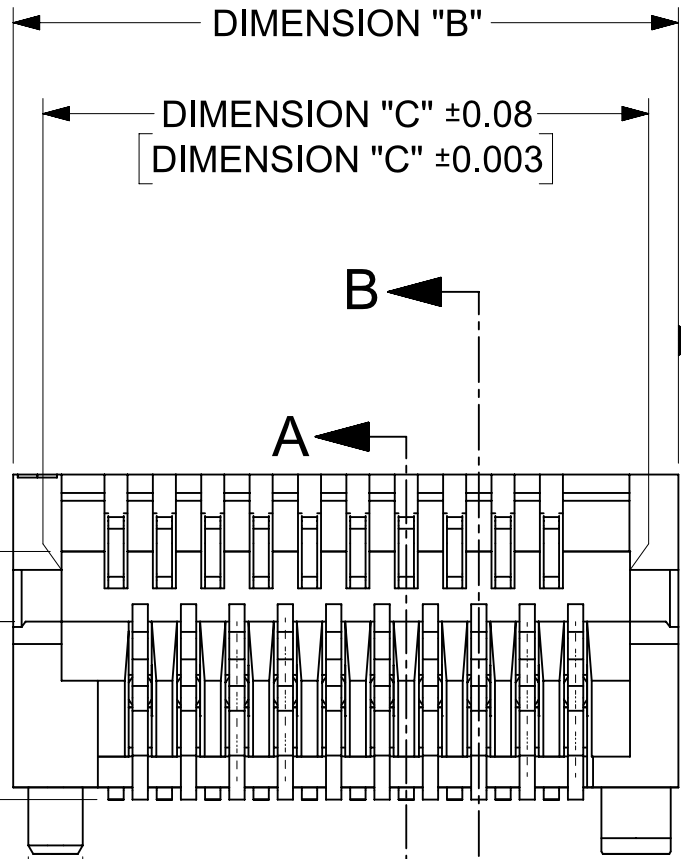
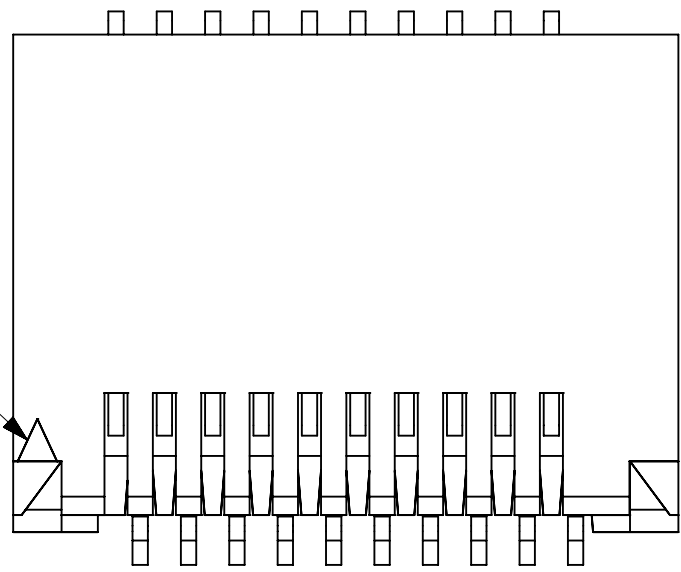


NOTES

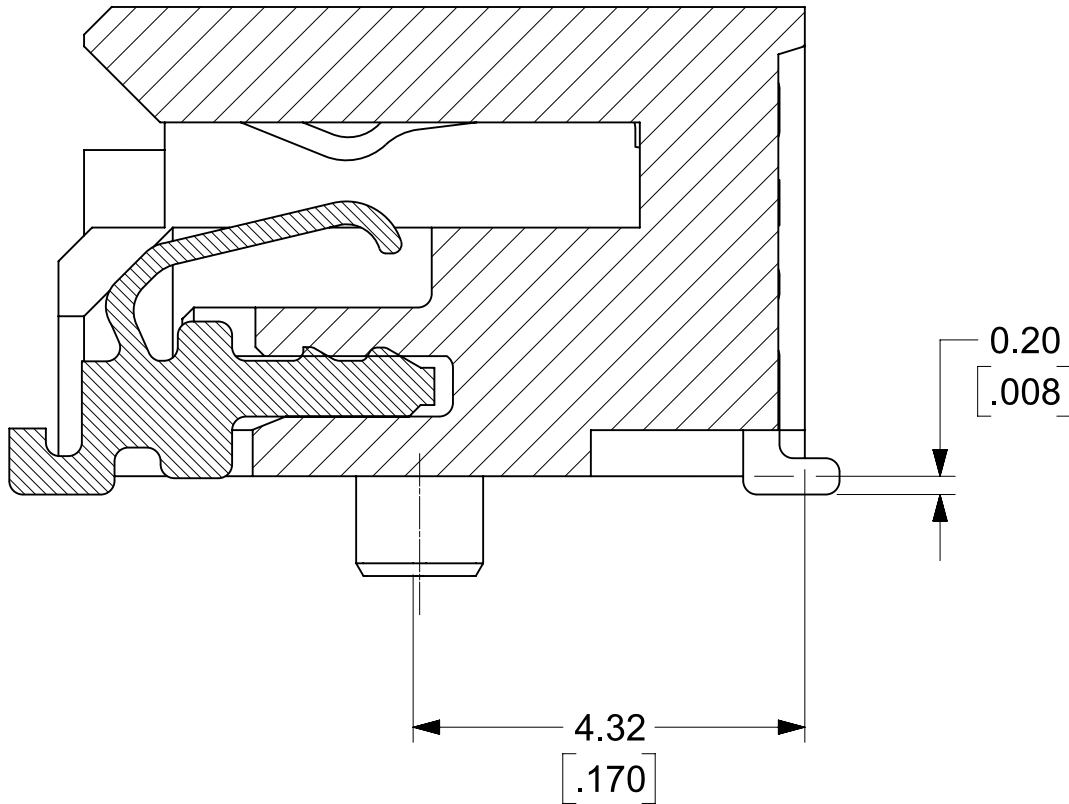
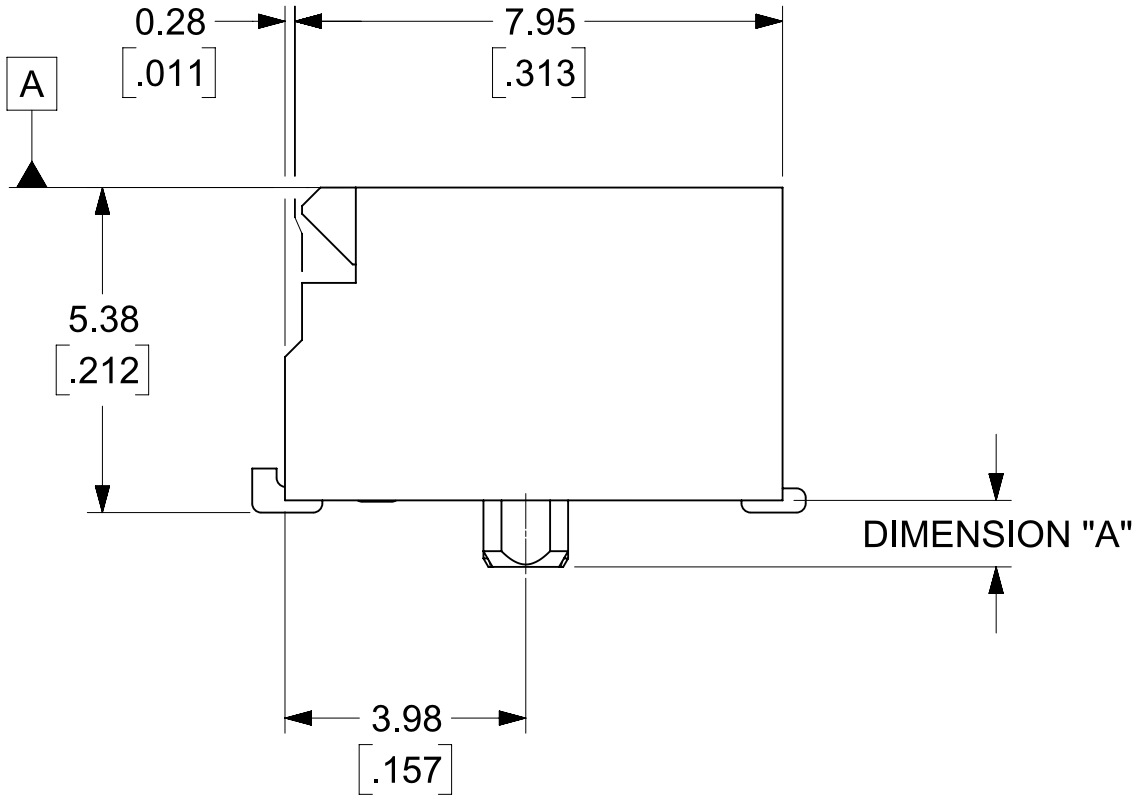
1. MATERIAL:
HOUSING - HIGH TEMPERATURE THERMOPLASTIC GLASS FILLED, UL 94V-0, BLACK
TERMINALS - COPPER ALLOY
2. PLATING (SEE TABLE):
CONTACT AREA - 0.38 MICROMETER MINIMUM GOLD OVER NICKEL
SOLDER FOOT AREA - 2.54 MICROMETER MINIMUM TIN OVER NICKEL
3. PLATING (SEE TABLE):
CONTACT AREA - 0.76 MICROMETER MINIMUM GOLD OVER NICKEL
SOLDER AREA - 2.54 MICROMETER MINIMUM TIN OVER NICKEL
4. PLATING (SEE TABLE):
CONTACT AREA - 0.76 MICROMETER MINIMUM GOLD OVER
2.54 MICROMETERS MINIMUM NICKEL.
SOLDER AREA: GOLD FLASH OVER NICKEL.
5. PLATING (SEE TABLE):
CONTACT AREA - 0.38 MICROMETER MINIMUM GOLD OVER NICKEL;
SOLDER AREA: GOLD FLASH OVER NICKEL.
6. SOLDER FEET COPLANAR WITHIN 0.10/.004 FOR 20, 30 AND 40 CIRCUIT CONNECTORS,
WITHIN 0.15/.006 FOR 50 AND 70 CIRCUIT CONNECTORS
7. * CONTACT PLANT FOR MORE INFORMATION
8. DATE CODE: 4 DIGIT (3 DIGIT DAY, 1 DIGIT YEAR)
9. THE CIRCUIT 1 INDICATOR MAY VARY IN SIZE AND APPEARANCE.

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#514359				molex				
MM/INCH		8:1										
GENERAL TOLERANCES (UNLESS SPECIFIED)				STATUS: Production DRWN: Vishal Ramesh Hosur 2024-05-08 CHK'D: Ganesh Rao B 2024-11-14 APPR: Gurunandan GA 2024-11-14				SALES ASSEMBLY Z AXIS PLUGGABLE PCB CONNECTOR				
								PRODUCT CUSTOMER DRAWING				
								INITIAL REVISION:				DOCUMENT NUMBER
4 PLACES		±		±	2000/04/06		SD-74441-001		PSD	001		
3 PLACES		±		± 0.0050							2000/04/06	
2 PLACES		±	0.130	± 0.010	MATERIAL NUMBER		CUSTOMER					
1 PLACE		±	0.25	±					SHEET NUMBER			
0 PLACES		±		±	THIRD ANGLE PROJECTION		DRAWING	SERIES				
		ANGULAR TOL		± 0.5°							C-SIZE	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						SEE TABLE		GENERAL MARKET				
											1	

CIRCUIT 1
INDICATOR



SECTION A-A
SCALE 12:1



SECTION B-B
SCALE 12:1

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#514359				molex							
MM/INCH		8:1													
GENERAL TOLERANCES (UNLESS SPECIFIED)				STATUS: Production DRWN: Vishal Ramesh Hosur 2024-05-08 CHK'D: Ganesh Rao B 2024-11-14 APPR: Gurunandan GA 2024-11-14				SALES ASSEMBLY Z AXIS PLUGGABLE PCB CONNECTOR							
MM		INCH													
4 PLACES	±		±												
3 PLACES	±		± 0.0050												
2 PLACES	±	0.130	± 0.010												
1 PLACE	±	0.25	±												
0 PLACES	±			INITIAL REVISION: DRWN: HAVERY 2000/04/06 APPR: MBANAKIS 2000/04/06				DOCUMENT NUMBER SD-74441-001		DOC TYPE PSD	DOC PART 001	REVISION AC2			
ANGULAR TOL		± 0.5°													
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION 		DRAWING C-SIZE		SERIES 74441		MATERIAL NUMBER SEE TABLE		CUSTOMER GENERAL MARKET		SHEET NUMBER 2 OF 5	

12 11 10 9 8 7 6 5 4 3 2 1

H

G

F

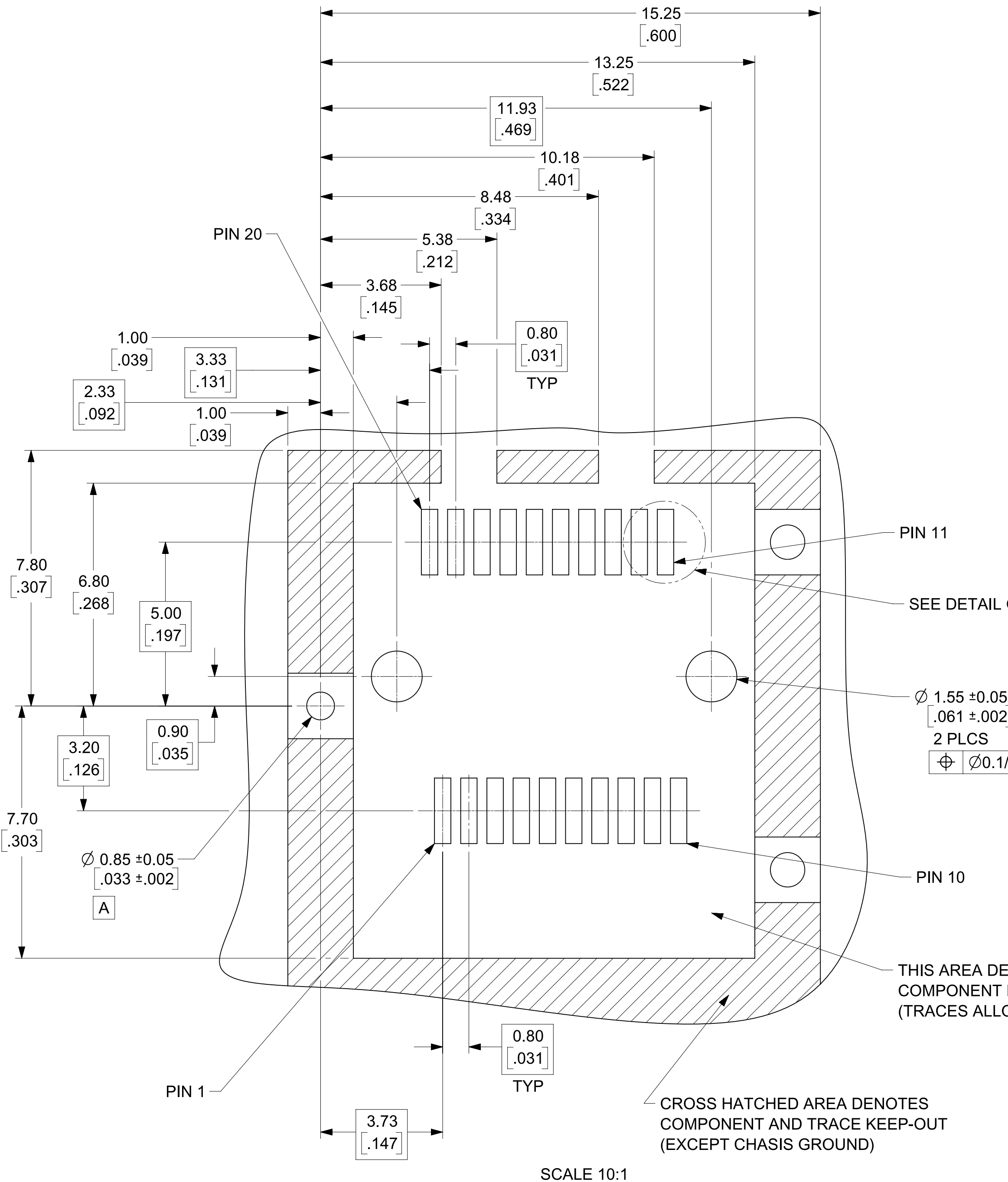
E

D

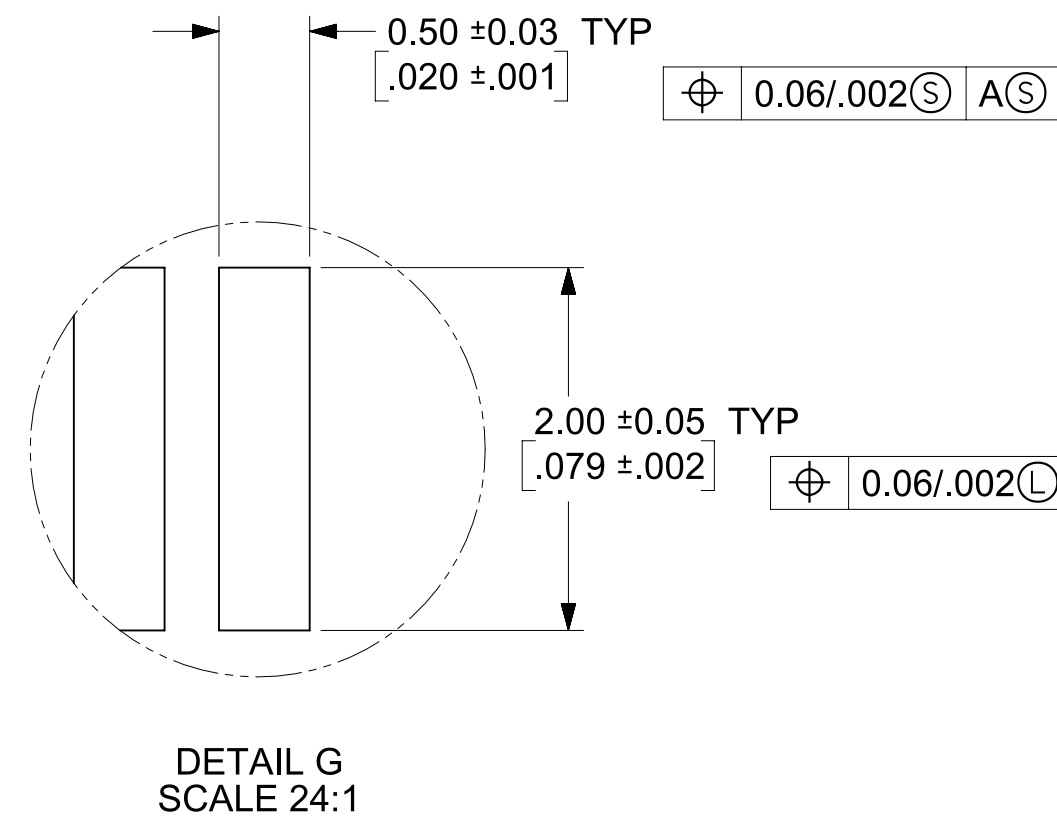
C

B

A



SCALE 10:1



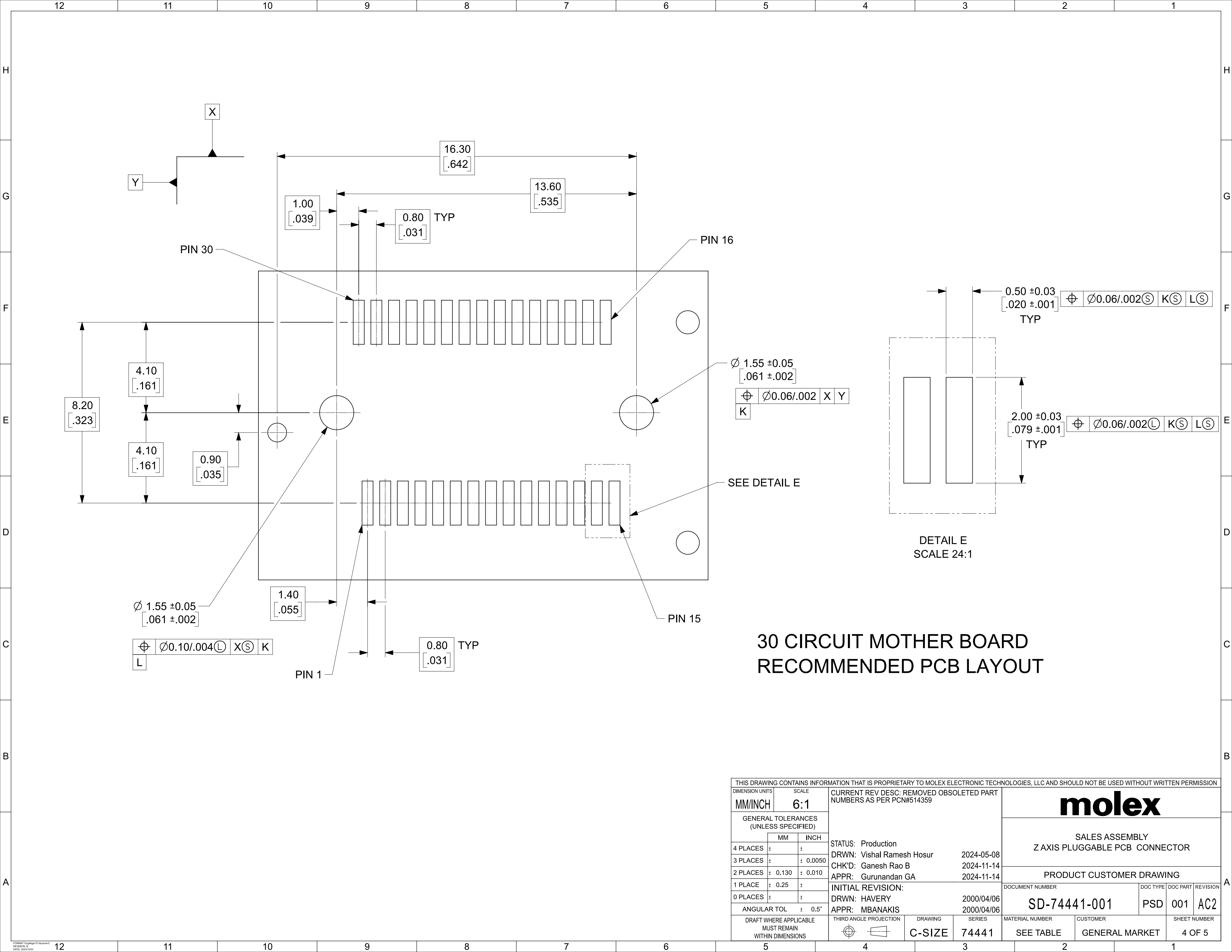
20 CIRCUIT MOTHER BOARD RECOMMENDED PCB LAYOUT

THIS AREA DENOTES
COMPONENT KEEP-OUT
(TRACES ALLOWED)

CROSS HATCHED AREA DENOTES
COMPONENT AND TRACE KEEP-OUT
(EXCEPT CHASIS GROUND)

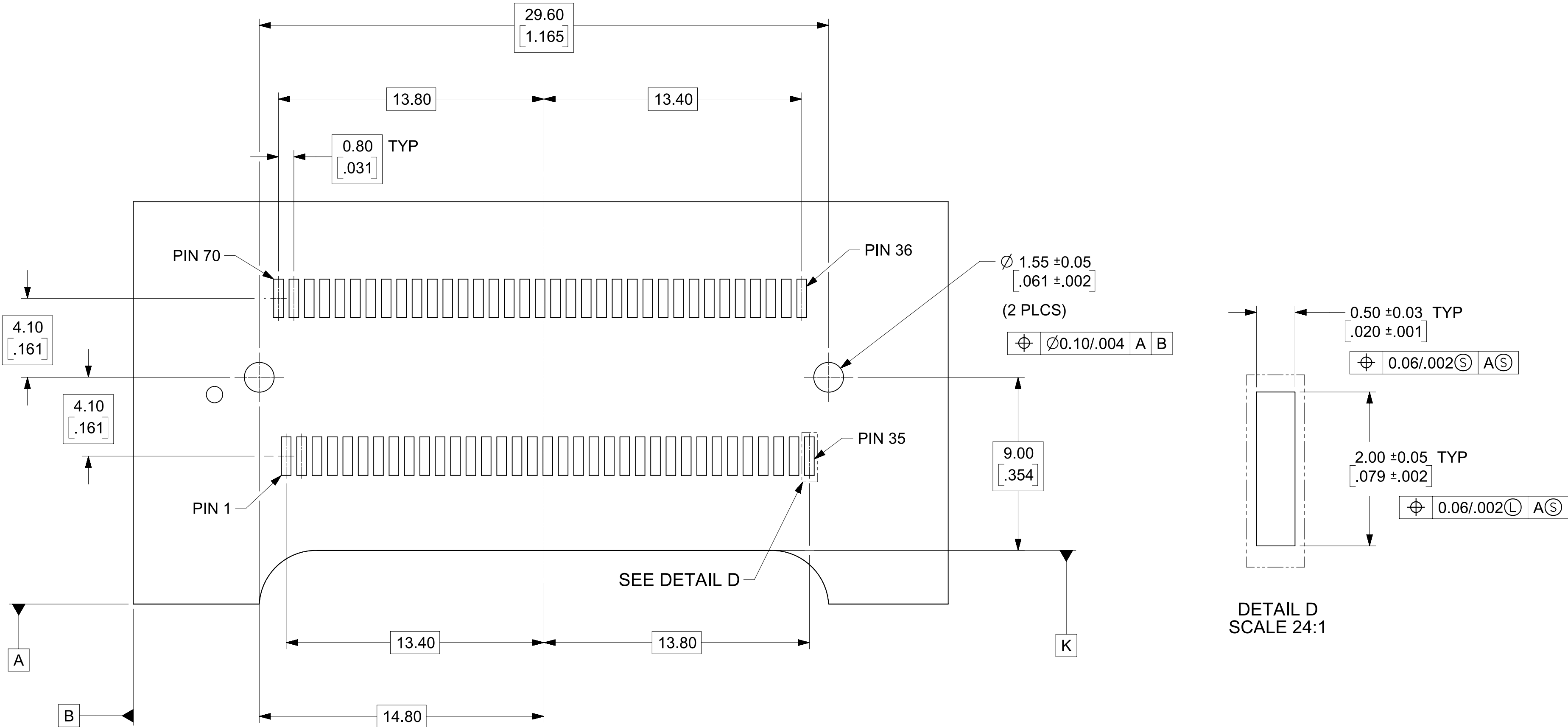
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#514359				molex SALES ASSEMBLY Z AXIS PLUGGABLE PCB CONNECTOR							
MM/INCH		10:1													
GENERAL TOLERANCES (UNLESS SPECIFIED)				STATUS: Production DRWN: Vishal Ramesh Hosur 2024-05-08 CHK'D: Ganesh Rao B 2024-11-14 APPR: Gurunandan GA 2024-11-14											
	MM		INCH												
4 PLACES	±		±												
3 PLACES	±		± 0.0050												
2 PLACES	±	0.130	± 0.010												
1 PLACE	±	0.25	±	INITIAL REVISION: DRWN: HAVERY 2000/04/06 APPR: MBANAKIS 2000/04/06				PRODUCT CUSTOMER DRAWING							
0 PLACES	±		±					DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION			
ANGULAR TOL ± 0.5°								SD-74441-001		PSD	001	AC2			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						C-SIZE		74441		SEE TABLE		GENERAL MARKET		3 OF 5	

12 11 10 9 8 7 6 5 4 3 2 1



30 CIRCUIT MOTHER BOARD
RECOMMENDED PCB LAYOUT

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DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#514359				molex						
MM/INCH		6:1												
GENERAL TOLERANCES (UNLESS SPECIFIED)														
		MM	INCH	STATUS: Production DRWN: Vishal Ramesh Hosur 2024-05-08 CHK'D: Ganesh Rao B 2024-11-14 APPR: Gurunandan GA 2024-11-14				SALES ASSEMBLY Z AXIS PLUGGABLE PCB CONNECTOR						
4 PLACES	±		±											
3 PLACES	±		± 0.0050											
2 PLACES	±	0.130	± 0.010											
1 PLACE	±	0.25	±											
0 PLACES	±			INITIAL REVISION: DRWN: HAVERY 2000/04/06 APPR: MBANAKIS 2000/04/06				PRODUCT CUSTOMER DRAWING						
ANGULAR TOL ± 0.5°								DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION 		DRAWING C-SIZE		SERIES 74441		SD-74441-001		PSD	001	AC2
										MATERIAL NUMBER SEE TABLE		CUSTOMER GENERAL MARKET		SHEET NUMBER 4 OF 5



70 CIRCUIT MOTHER BOARD
RECOMMENDED PCB LAYOUT

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#514359				molex							
MM/INCH		6:1													
GENERAL TOLERANCES (UNLESS SPECIFIED)				STATUS: Production DRWN: Vishal Ramesh Hosur 2024-05-08 CHK'D: Ganesh Rao B 2024-11-14 APPR: Gurunandan GA 2024-11-14								SALES ASSEMBLY Z AXIS PLUGGABLE PCB CONNECTOR			
4 PLACES		±		±	INITIAL REVISION: DRWN: HAVERY 2000/04/06 APPR: MBANAKIS 2000/04/06				DOCUMENT NUMBER SD-74441-001		DOC TYPE PSD	DOC PART 001	REVISION AC2		
3 PLACES		±		±										0.0050	
2 PLACES		±	0.130	±										0.010	
1 PLACE		±	0.25	±											
0 PLACES		±		±											
ANGULAR TOL				±		0.5°									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						C-SIZE		74441		SEE TABLE		GENERAL MARKET		5 OF 5	