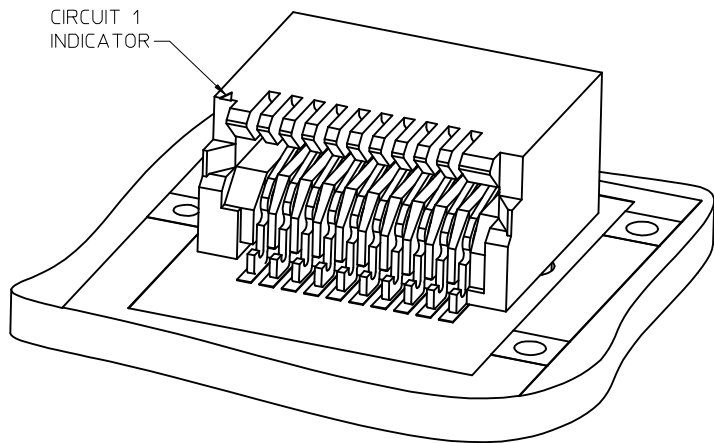


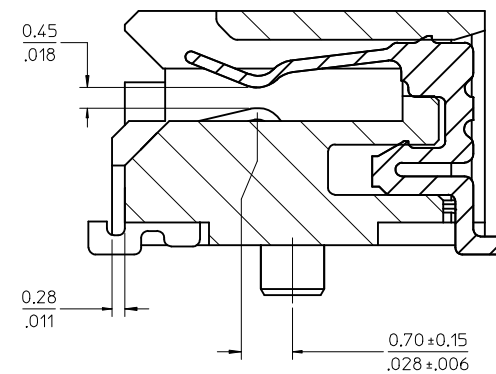
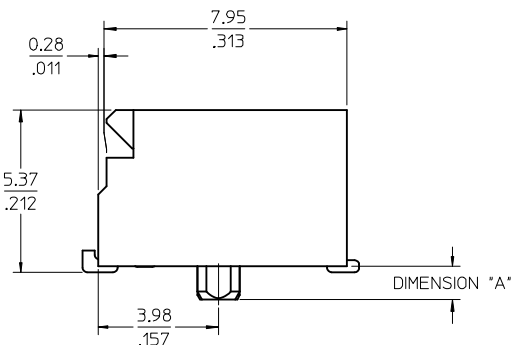
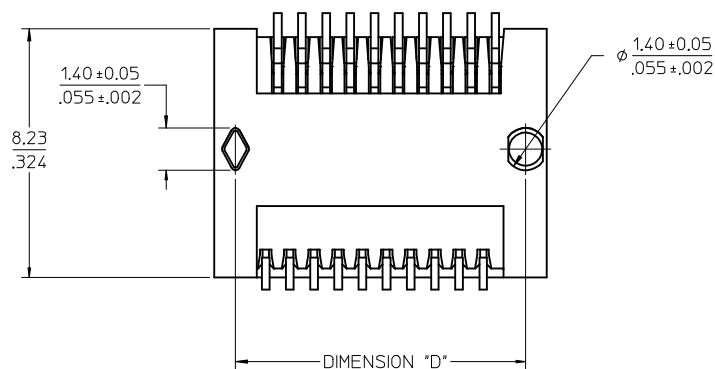
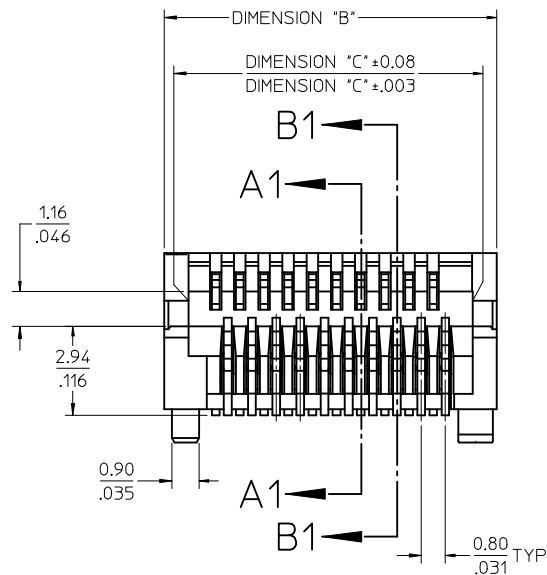
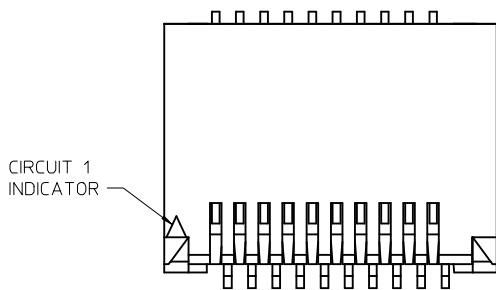
CKT SIZE	PART NUMBER	TOOLED	DESCRIPTION	DIMENSIONS				MULTI-SOURCE AGREEMENT	CIRCUIT BOARD LAYOUT
				"A"	"B"	"C"	"D"		
20	74441-0001	YES	PLATED PER NOTE 2	1.10/.043	11.00/.433	9.40/.370	9.60/.378	SFP	SEE SHEET 3
	74441-0004	NO*	PLATED PER NOTE 2	0.76/.030					
	74441-0010	YES	PLATED PER NOTE 3	1.10/.043					
	74441-0014	NO*	PLATED PER NOTE 3	0.76/.030					
	74441-0031	YES	PLATED PER NOTE 4	1.10/.043					
	74441-0041	YES	PLATED PER NOTE 5	1.10/.043					
	74441-9001	YES	PLATED PER NOTE 2	1.10/.043					
	74441-9010	YES	PLATED PER NOTE 3	1.10/.043	11.00/.433	9.40/.378	9.60/.378		
30	74441-0007	YES	PLATED PER NOTE 2	1.10/.043	15.00/.591	13.40/.528	13.60/.535	XFP	SEE SHEET 4
	74441-0017	YES	PLATED PER NOTE 3	1.10/.043					
	74441-0037	YES	PLATED PER NOTE 4	1.10/.043					
	74441-9007	YES	PLATED PER NOTE 2	1.10/.043					
40	74441-0005	YES	PLATED PER NOTE 2	1.10/.043	19.00/.748	17.40/.685	17.60/.693		SEE SHEET 5
	74441-0015	YES	PLATED PER NOTE 3	1.10/.043					
	74441-0035	YES	PLATED PER NOTE 4	1.10/.043					
	74441-9005	YES	PLATED PER NOTE 2	1.10/.043					
50	74441-0008	YES	PLATED PER NOTE 2	1.10/.043	23.00/.906	21.40/.843	21.60/.850		SEE SHEET 6
	74441-0018	YES	PLATED PER NOTE 3	1.10/.043					
	74441-0038	YES	PLATED PER NOTE 5	1.10/.043					
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 7
	74441-0013	YES	PLATED PER NOTE 3	1.10/.043					
	74441-0033	YES	PLATED PER NOTE 4	1.10/.043					
	74441-9003	YES	PLATED PER NOTE 2	1.10/.043					

NOTES

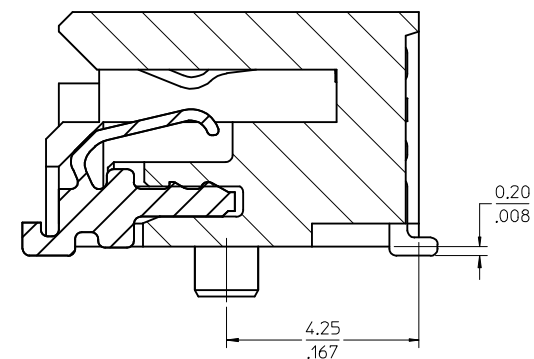
- MATERIAL:**
HOUSING - HIGH TEMPERATURE THERMOPLASTIC GLASS FILLED, UL 94V-0, BLACK
TERMINALS - COPPER ALLOY
- PLATING (SEE TABLE):**
CONTACT AREA - 0.38 MICROMETER MINIMUM GOLD OVER NICKEL
SOLDER FOOT AREA - 2.54 MICROMETER MINIMUM TIN OVER NICKEL
- PLATING (SEE TABLE):**
CONTACT AREA - 0.76 MICROMETER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



REV. NOTES & TABLE EC NO: UCP2014-2110 DRWNSVANG01 2013/11/14 CHKD:TIBARRA 2013/11/14 APPR:SMILLER 2013/12/06	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE		SCALE	DESIGN UNITS	 THIRD ANGLE PROJECTION		
						MM/IN		1:1	METRIC			
				mm	INCH	DRAWN BY	DATE	TITLE SALES ASSEMBLY Z AXIS PLUGGABLE PCB CONNECTOR molex				
			4 PLACES	±.---	±.---	HAVERY	00/04/06					
			3 PLACES	±.---	±.---	CHECKED BY	DATE					
			2 PLACES	±0.13	±.005	KSWEENEY	00/04/06					
			1 PLACE	±0.25	±.010	APPROVED BY	DATE					
			0 PLACE	±	±	MBANAKIS	00/04/06	DOCUMENT NO. SD-74441-001				
			ANGULAR ±1/2°			MATERIAL NO.					SHEET NO.	
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE TABLE					1 OF 7	
REV	SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										

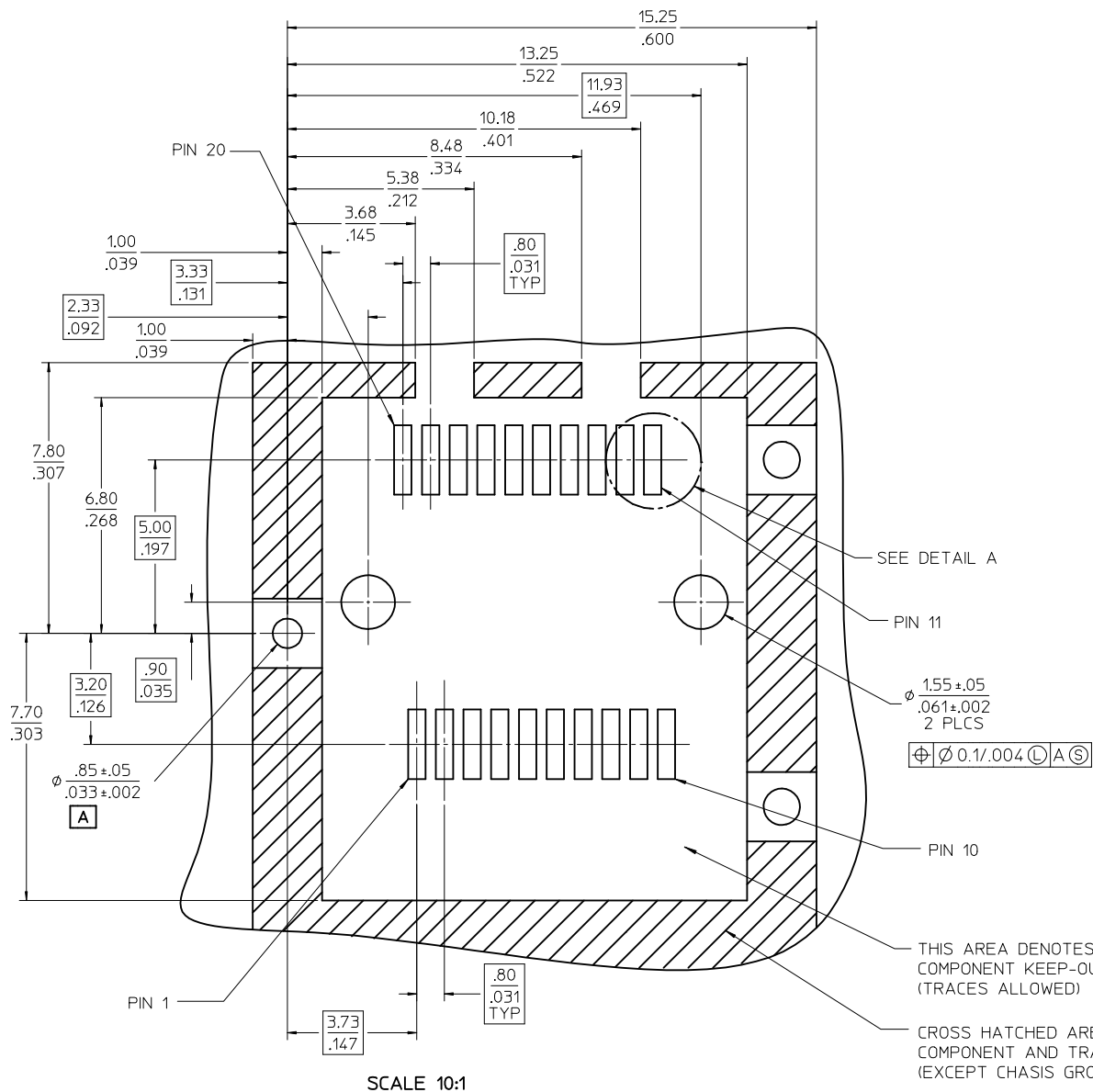


SECTION A1-A1
SCALE 12:1



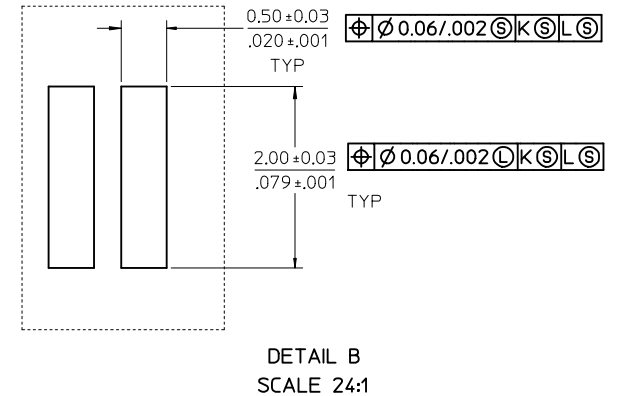
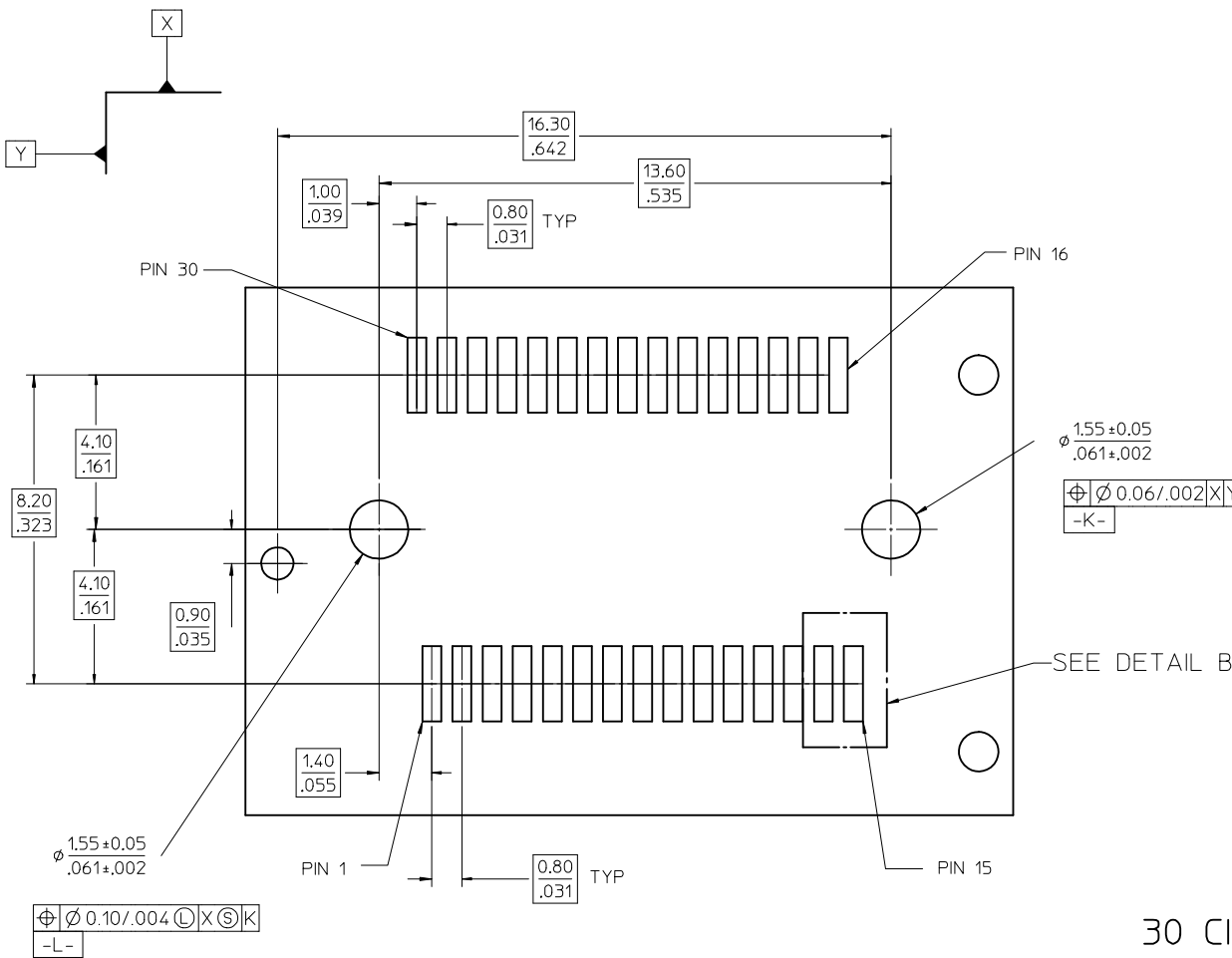
SECTION B1-B1
SCALE 12:1

SEE SHEET 1 EC NO: UCP2014-2110 DRWNSVANG01 2013/11/14 CHKD: TIBARRA 2013/11/14 APPR: MILLER 2013/12/06 W	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM/IN		SCALE 6:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
				mm	INCH	DRAWN BY HAVERY	DATE 00/04/06	TITLE SALES ASSEMBLY Z AXIS PLUGGABLE PCB CONNECTOR molex		
			4 PLACES	± ---	± ---	CHECKED BY KSWEENEY	DATE 00/04/06			
			3 PLACES	± ---	± ---	APPROVED BY MBANAKIS	DATE 00/04/06			
			2 PLACES	± 0.13	± .005	MATERIAL NO.				
			1 PLACE	± 0.25	± .010	DOCUMENT NO.				
			0 PLACE	±	±	SEE TBL, SHT 1		SD-74441-001		
			ANGULAR ±1/2°			SHEET NO. 2 OF 7				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		



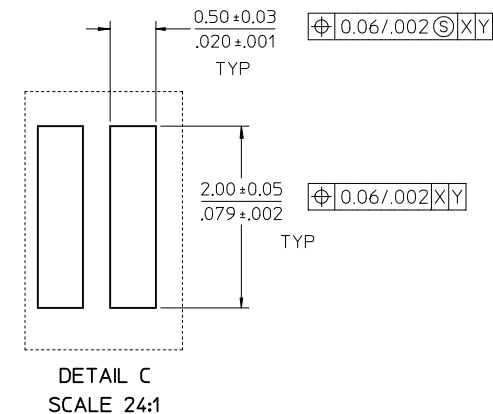
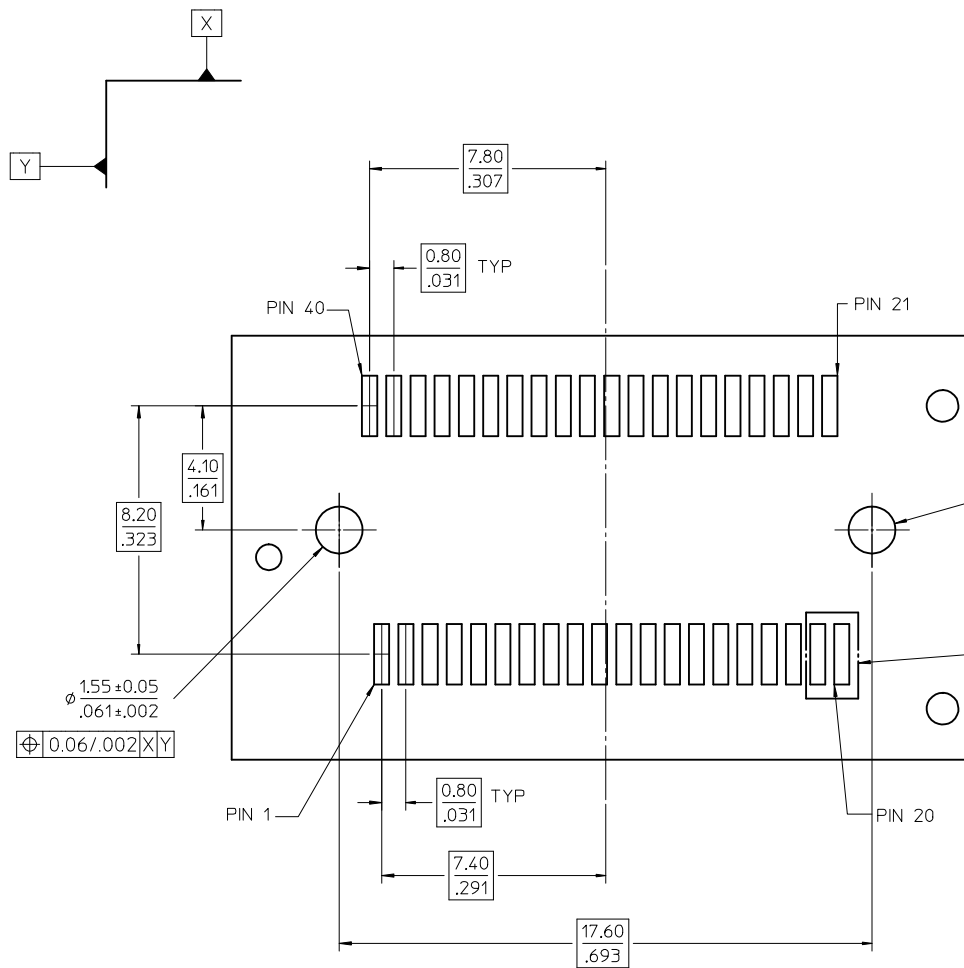
20 CIRCUIT MOTHER BOARD RECOMMENDED PCB LAYOUT

SEE SHEET 1 EC NO: UCP2014-2110 DRWNSVANG01 CHKD:TIBARA APPR:SMILLER 2013/11/14 2013/11/14 2013/12/06	DESCRIPTION REV W	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE 8:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION 			
				mm	INCH	DRAWN BY HAVERY	DATE 00/04/06	TITLE SALES ASSEMBLY Z AXIS PLUGGABLE PCB CONNECTOR molex				
			4 PLACES	± ---	± ---	CHECKED BY KSWEENEY	DATE 00/04/06					
			3 PLACES	± ---	± ---	APPROVED BY MBANAKIS	DATE 00/04/06					
			2 PLACES	± 0.13	± .005	MATERIAL NO.						
			1 PLACE	± 0.25	± .010	ANGULAR ±1/2°		SEE TBL. SHT 1		SD-74441-001		3 OF 7
			0 PLACE	±	±	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				



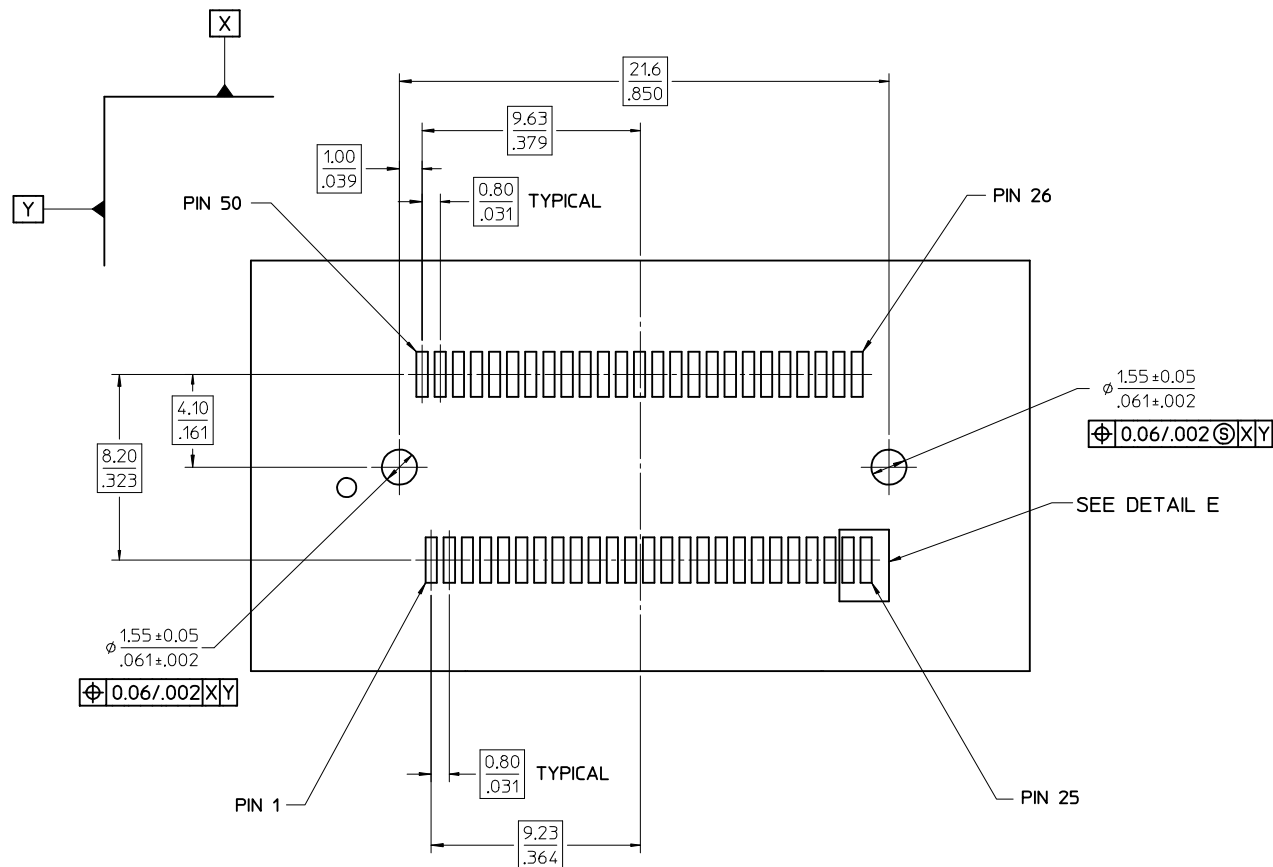
30 CIRCUIT MOTHER BOARD RECOMMENDED PCB LAYOUT

SEE SHEET 1	EC NO: UCP2014-2110 DRWNSVANG01 2013/11/14 CHKD: TIBARRA 2013/11/14 APPR: SMILLER 2013/12/06	DESCRIPTION	REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
								MM/IN		6:1	METRIC	
						mm	INCH	DRAWN BY	DATE	TITLE		
					4 PLACES	± ---	± ---	HAVERY	00/04/06			
					3 PLACES	± ---	± ---	CHECKED BY	DATE			
2 PLACES	± 0.13	± .005	KSWEENEY	00/04/06								
				1 PLACE	± 0.25	± .010	APPROVED BY	DATE	SALES ASSEMBLY Z AXIS PLUGGABLE PCB CONNECTOR			
			0 PLACE	±	±	MBANAKIS	00/04/06					
				ANGULAR ±1/2°			MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE TBL, SHT 1		SD-74441-001		4 OF 7	
							SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

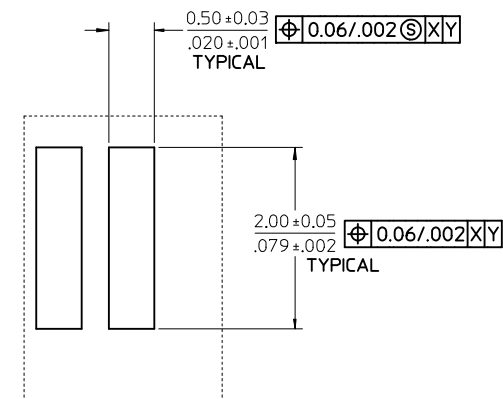


40 CIRCUIT MOTHER BOARD RECOMMENDED PCB LAYOUT

SEE SHEET 1	EC NO: UCP2014-2110			2013/11/14	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
	DRWNSVANG01			2013/11/14						MM/IN		6:1	METRIC		
	CHKD:TIBARRA									DRAWN BY		DATE	TITLE		
	APPR:SMILLER			2013/12/06						HAVERY		00/04/06	SALES ASSEMBLY		
										CHECKED BY		DATE	Z AXIS PLUGGABLE		
										KSWEENEY		00/04/06	PCB CONNECTOR		
										APPROVED BY		DATE	molex		
										MBANAKIS		00/04/06			
										MATERIAL NO.					
										ANGULAR $\pm 1/2^\circ$		DOCUMENT NO.		SHEET NO.	
							DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TBL, SHT 1		SD-74441-001		5 OF 7		
							SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

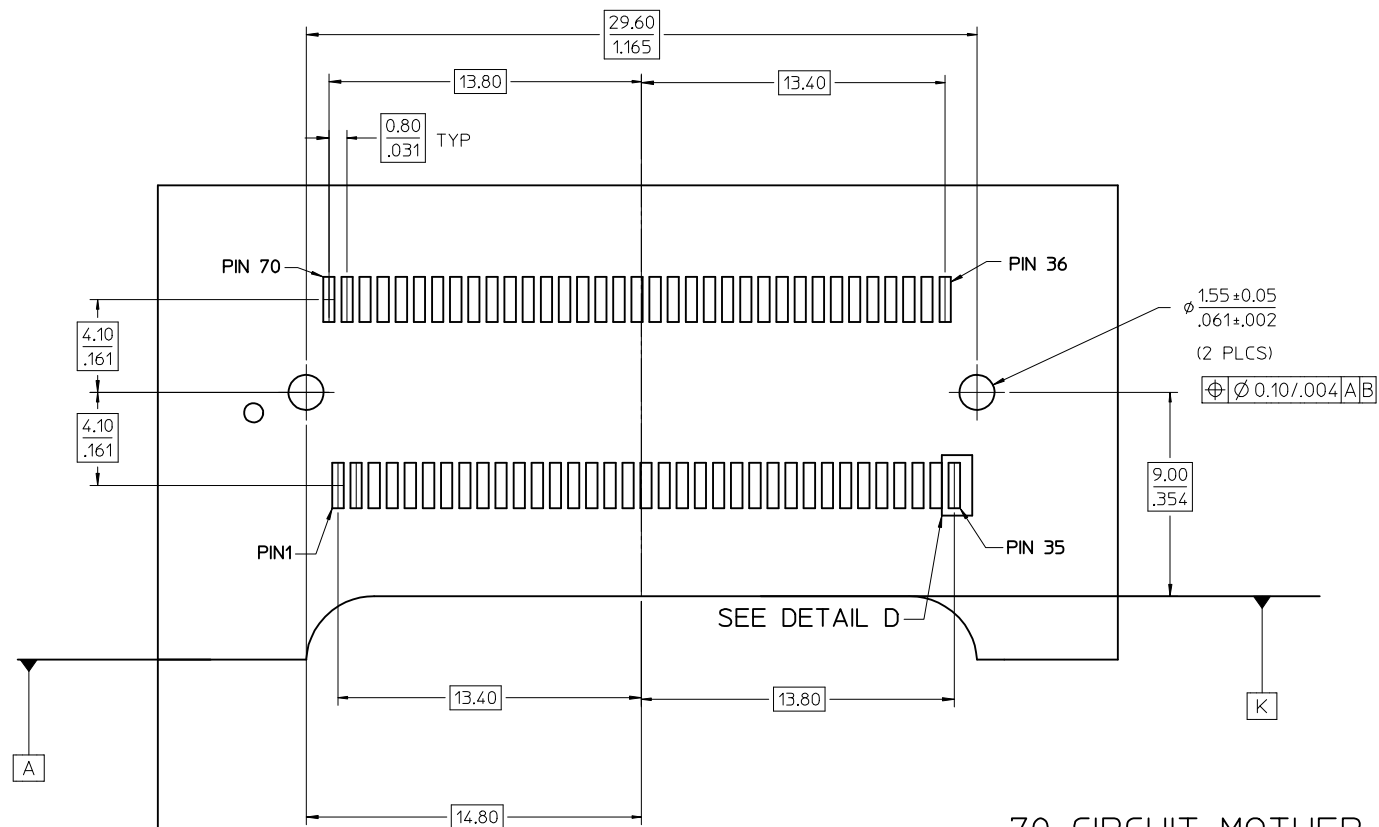


50 CIRCUIT MOTHER BOARD RECOMMENDED PCB LAYOUT



DETAIL E
SCALE 24:1

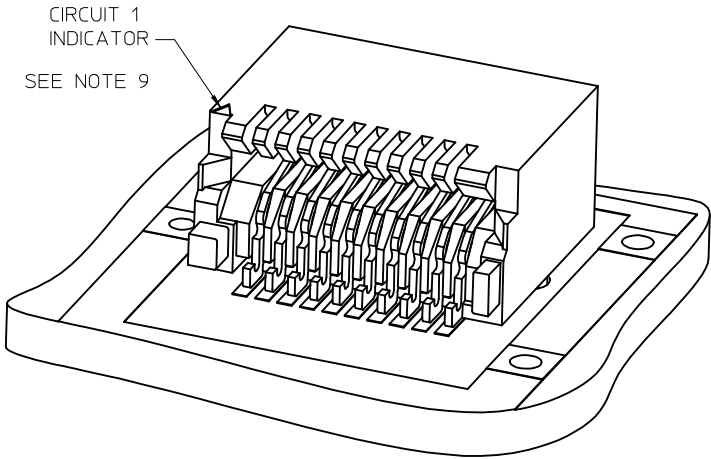
SEE SHEET 1	EC NO: UCP2014-210			2013/11/14	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
	DRWNSVANG01			2013/11/14			mm			MM/IN		6:1		METRIC			
	CHKD:TIBARRA			2013/12/06			INCH			DRAWN BY		DATE		TITLE		SALES ASSEMBLY	
	APPR:SMILLER						4 PLACES ± --- ± ---			HAVERY		00/04/06				Z AXIS PLUGGABLE	
							3 PLACES ± --- ± ---			CHECKED BY		DATE				PCB CONNECTOR	
							2 PLACES ± 0.13 ± .005			KSWEENEY		00/04/06					
							1 PLACE ± 0.25 ± .010			APPROVED BY		DATE					
							0 PLACE ± ±			MBANAKIS		00/04/06					
							ANGULAR ±1/2°			MATERIAL NO.				DOCUMENT NO.		SHEET NO.	
							DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE TBL, SHT 1				SD-74441-001		6 OF 7	
W	REV									SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						



70 CIRCUIT MOTHER BOARD
RECOMMENDED PCB LAYOUT

SEE SHEET 1 EC NO: UCP2014-2110 DRWNSVANG01 2013/11/14 CHKD: TBARRA 2013/11/14 APPR: MILLER 2013/12/06 W	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE 6:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
				mm	INCH	DRAWN BY HAVERY	DATE 00/04/06	TITLE SALES ASSEMBLY Z AXIS PLUGGABLE PCB CONNECTOR molex DOCUMENT NO. SD-74441-001	SHEET NO. 7 OF 7	
			4 PLACES	± ---	± ---	CHECKED BY KSWEENEY	DATE 00/04/06			
			3 PLACES	± ---	± ---	APPROVED BY MBANAKIS	DATE 00/04/06			
			2 PLACES	± 0.13	± .005					
			1 PLACE	± 0.25	± .010					
			0 PLACE	±	±					
			ANGULAR ±1/2°			MATERIAL NO.				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE TBL, SHT 1				
						SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

CKT SIZE	PART NUMBER	TOOLED	DESCRIPTION	"A"	"B"	"C"	"D"	MULTI-SOURCE AGREEMENT	CONNECTOR DRAWING	CIRCUIT BOARD DRAWING
20	74441-5001	YES	PLATED PER NOTE 2	1.10/.043	11.00/.433	9.40/.370	9.60/.378	SFP+	PAGE 2	PAGE 3
	74441-5010	YES	PLATED PER NOTE 3	1.10/.043						



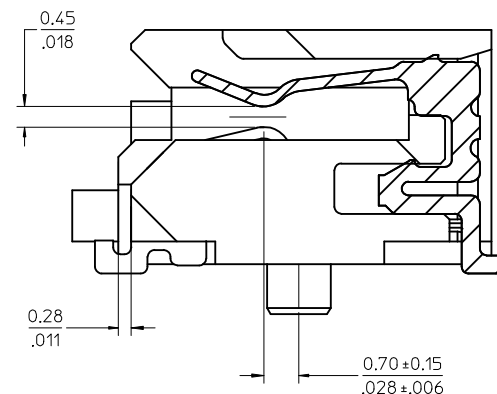
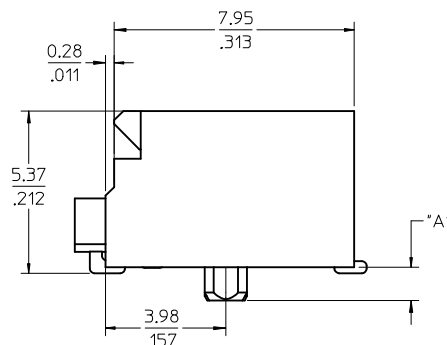
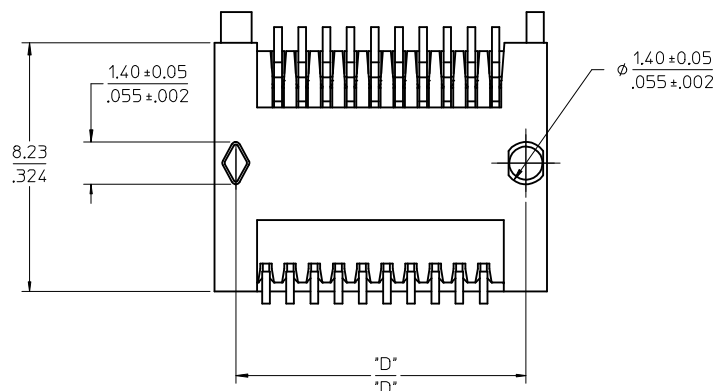
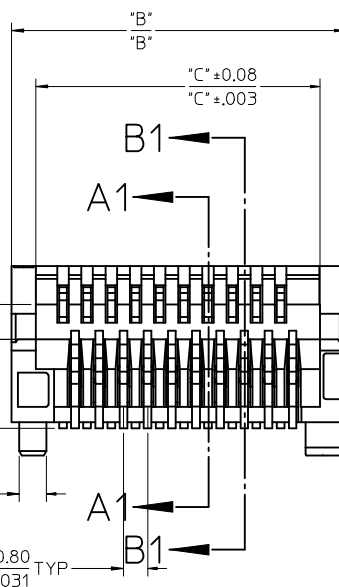
- NOTES
- MATERIAL:
HOUSING - HIGH TEMPERATURE THERMOPLASTIC GLASS FILLED, UL 94V-0, BLACK
TERMINALS - COPPER ALLOY
 - PLATING:
CONTACT AREA - 0.38 μ m MIN GOLD OVER 2.54 μ m MIN NICKEL
SOLDER FOOT AREA - 2.54 - 5.09 μ m TIN OVER 2.54 μ m MIN NICKEL.
 - PLATING:
CONTACT AREA - 0.76 μ m MIN GOLD OVER 2.54 μ m NICKEL
SOLDER AREA - 2.54 -5.09 μ m TIN OVER 2.54 μ m MIN NICKEL
 - PLATING:
CONTACT AREA - 0.76 μ m MIN GOLD OVER 2.54 μ m NICKEL, LUBRICATED
SOLDER AREA: GOLD FLASH OVER 2.54 μ m MIN NICKEL.
 - PLATING:
CONTACT AREA - 0.76 μ m MIN GOLD OVER 2.54 μ m NICKEL,
SOLDER AREA: GOLD FLASH OVER 2.54 μ m MIN NICKEL.
 - TERMINAL SOLDER FEET TO BE COPLANAR WITHIN 0.10/.004 FOR 20, 30 AND 40 CIRCUIT CONNECTORS
TERMINAL SOLDER FEET TO BE COPLANAR WITHIN 0.15/.006 FOR 70 CIRCUIT CONNECTOR
 - * CONTACT PLANT FOR MORE INFORMATION
 - DATE CODE: 4 DIGIT (3 DIGIT DATE, 1 DIGIT YEAR)
 - THE CIRCUIT ONE INDICATOR MAY VARY IN SIZE AND APPEARANCE.

REVISE NOTE 9 EC NO: UCP2013-5005 DRWN:BBARKER 2013/05/17 CHKD:JMORGAN APPR:SMILLER 2013/06/03		DESCRIPTION	REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION				
					mm	INCH	MM/IN		1:1	METRIC					
					=0	4 PLACES	± ---	± ---	DRAWN BY	DATE	TITLE SALES ASSEMBLY SFP PLUS HOST CONNECTOR 20 CIRCUIT molex				
					=0	3 PLACES	± ---	±.005	CHECKED BY	DATE					
					=0	2 PLACES	±0.13	±.010	MSIBARRA	2007/01/23					
						1 PLACE	±0.25	± ---	APPROVED BY	DATE					
						0 PLACE	±	±	SMILLER	2007/01/23					
				ANGULAR ±1/2°		MATERIAL NO.		DOCUMENT NO.		SHEET NO.					
				DRAFT WHERE APPLICABLE		SEE TABLE		SD-74441-008		1 OF 3					
				MUST REMAIN WITHIN DIMENSIONS		SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

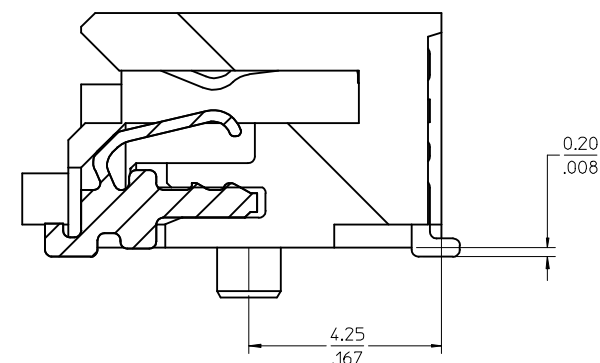
CIRCUIT 1
IDENTIFIER



1.02
.040 2 PLACES

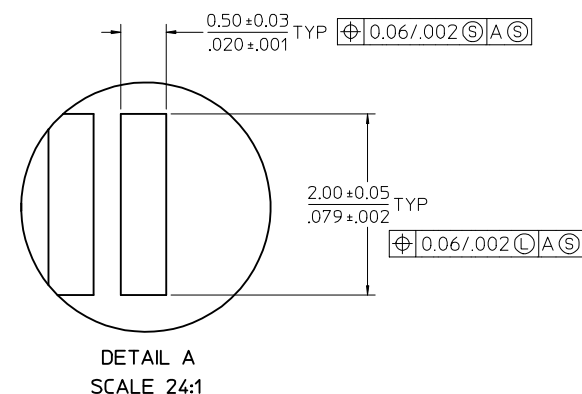
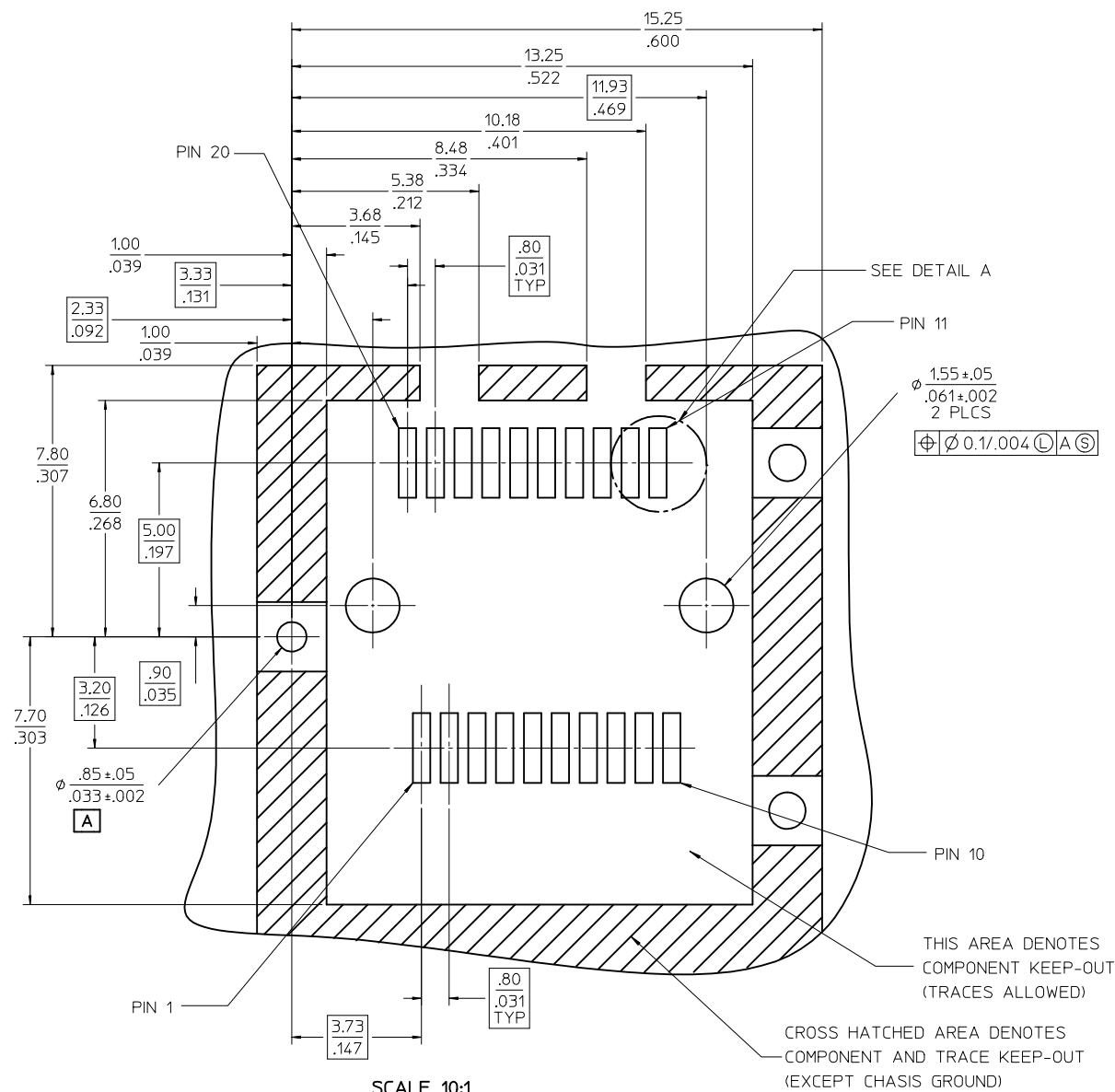


SECTION A1-A1
SCALE 12:1



SECTION B1-B1
SCALE 12:1

SEE SHEET 1 EC NO: UCP2013-5005 DRAWN: BBARKER 2013/05/17 CHKD: DMORGAN APPR: SMILLER 2013/06/03	DESCRIPTION REV B	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM/IN		SCALE 6:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
						DRAWN BY DATE		TITLE		
			4 PLACES ± --- ± ---			BBARKER 2007/01/23		SALES ASSEMBLY		
			3 PLACES ± --- ± .005			CHECKED BY DATE		SFP PLUS HOST CONNECTOR		
			2 PLACES ± 0.13 ± .010			MSIBARRA 2007/01/23		20 CIRCUIT		
			1 PLACE ± 0.25 ± ---			APPROVED BY DATE		molex		
0 PLACE ± ±			SMILLER 2007/01/23							
			ANGULAR ±1/2°		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TBL, SHT 1		SD-74441-008		2 OF 3	
					SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			



20 CIRCUIT MOTHER BOARD RECOMMENDED PCB LAYOUT

SEE SHEET 1 EC NO: UCP2013-5005 DRAWN BY: BBARKER CHKD BY: DMORGAN APPR: SMILLER 2013/05/17 2013/06/03	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE 8:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION 				
				mm	INCH	DRAWN BY BBARKER	DATE 2007/01/23	TITLE SALES ASSEMBLY SFP PLUS HOST CONNECTOR 20 CIRCUIT molex					
			4 PLACES	± .---	± .---	CHECKED BY MSIBARRA	DATE 2007/01/23						
			3 PLACES	± .---	± .005	APPROVED BY SMILLER	DATE 2007/01/23						
			2 PLACES	± 0.13	± .010	MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
			1 PLACE	± 0.25	± .---	SEE TBL, SHT 1		SD-74441-008		3 OF 3			
			0 PLACE	±	±	SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
			ANGULAR ±1/2°										
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										