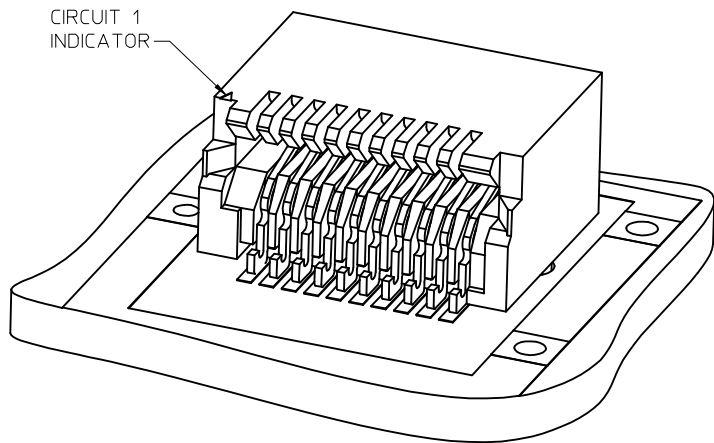


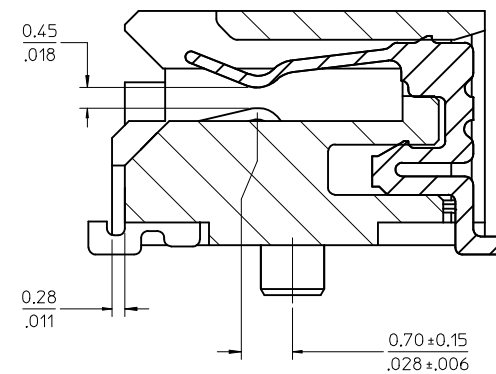
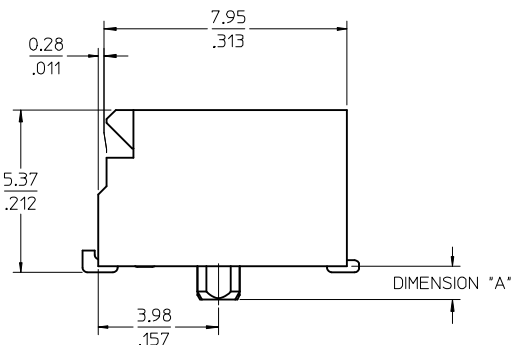
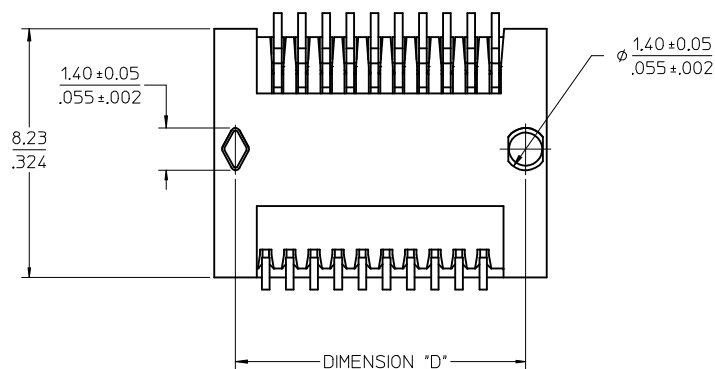
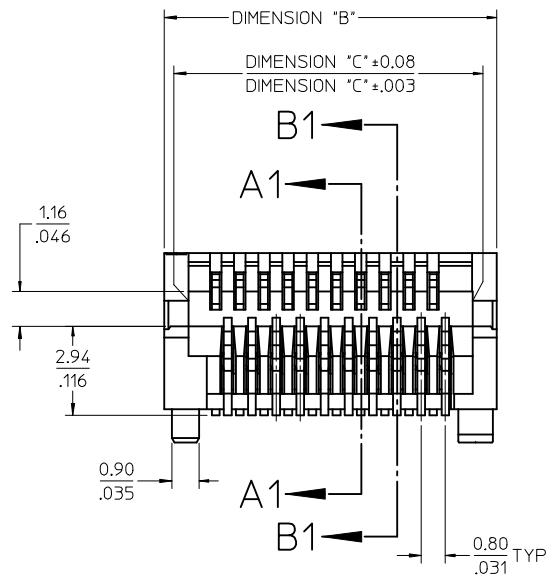
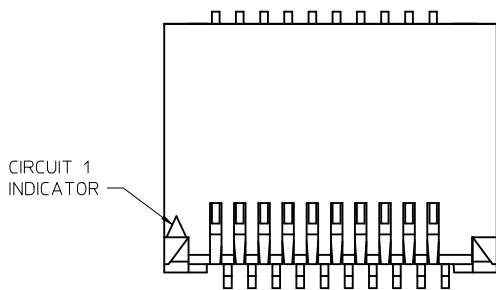
CKT SIZE	PART NUMBER	TOOLED	DESCRIPTION	DIMENSIONS				MULTI-SOURCE AGREEMENT	CIRCUIT BOARD LAYOUT
				"A"	"B"	"C"	"D"		
20	74441-0001	YES	PLATED PER NOTE 2	1.10/.043	11.00/.433	9.40/.370	9.60/.378	SFP	SEE SHEET 3
	74441-0004	NO*	PLATED PER NOTE 2	0.76/.030					
	74441-0010	YES	PLATED PER NOTE 3	1.10/.043					
	74441-0014	NO*	PLATED PER NOTE 3	0.76/.030					
	74441-0031	YES	PLATED PER NOTE 4	1.10/.043	11.00/.433	9.40/.378	9.60/.378		
	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					
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

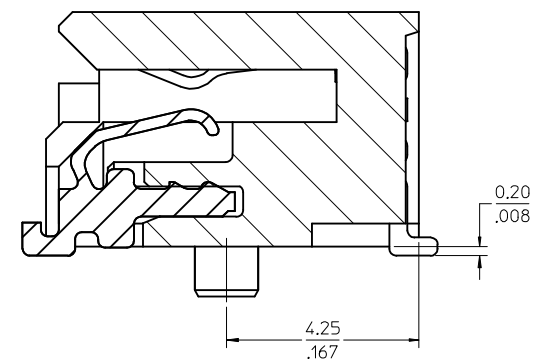
- MATERIAL:**
HOUSING - HIGH TEMPERATURE THERMOPLASTIC GLASS FILLED, UL 94V-0, BLACK
TERMINALS - COPPER ALLOY
- PLATING (SEE TABLE):**
CONTACT AREA - 0.38 MICROMETER MINIMUM GOLD OVER NICKEL
SOLDER FOOT AREA - 2.54 MICROMETER MINIMUM TIN OVER NICKEL
- PLATING (SEE TABLE):**
CONTACT AREA - 0.76 MICROMETER 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 ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE 1:1	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 DATE	00/04/06				
			3 PLACES	± ---	± ---	APPROVED BY DATE	00/04/06				
			2 PLACES	± 0.13	± .005	MATERIAL NO.	DOCUMENT NO.				
			1 PLACE	± 0.25	± .010	SEE TABLE				SD-74441-001	
			0 PLACE	±	±	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SHEET NO. 1 OF 7			
			SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

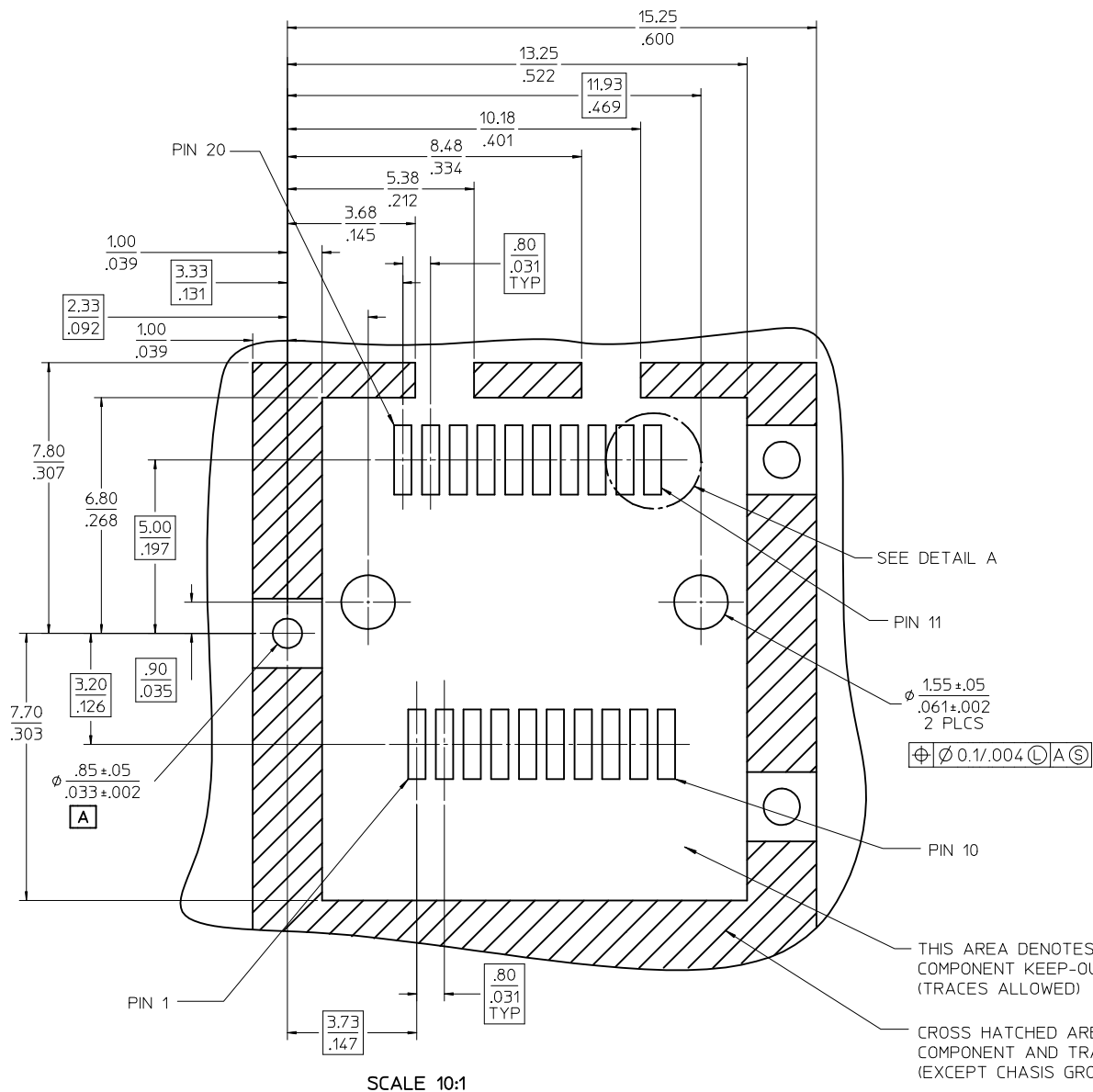


SECTION A1-A1
SCALE 12:1

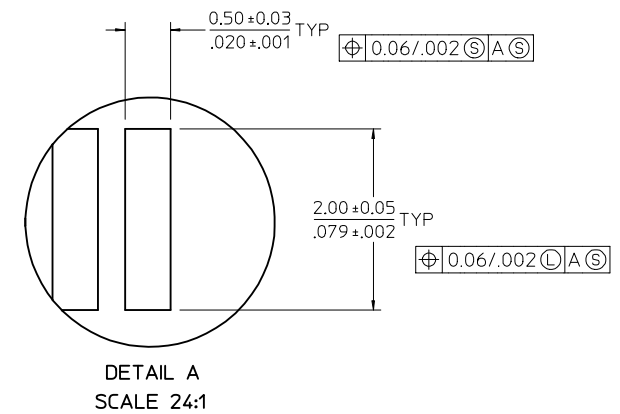


SECTION B1-B1
SCALE 12:1

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		SALES ASSEMBLY Z AXIS PLUGGABLE PCB CONNECTOR molex		
			4 PLACES ± --- ± ---		3 PLACES ± --- ± ---		CHECKED BY KSWEENEY		DATE 00/04/06				
			3 PLACES ± --- ± ---		2 PLACES ±.013 ±.005		APPROVED BY MBANAKIS		DATE 00/04/06				
			2 PLACES ±.013 ±.005		1 PLACE ±.025 ±.010		MATERIAL NO.		DOCUMENT NO.				
			1 PLACE ±.025 ±.010		0 PLACE ± ±		SEE TBL, SHT 1		SD-74441-001		SHEET NO. 2 OF 7		
			0 PLACE ± ±		ANGULAR ±1/2°		SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										

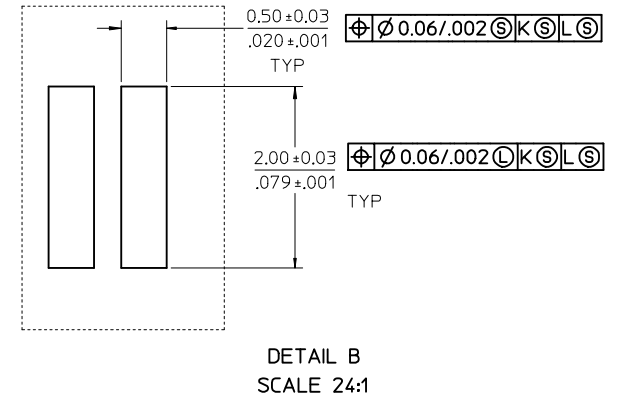
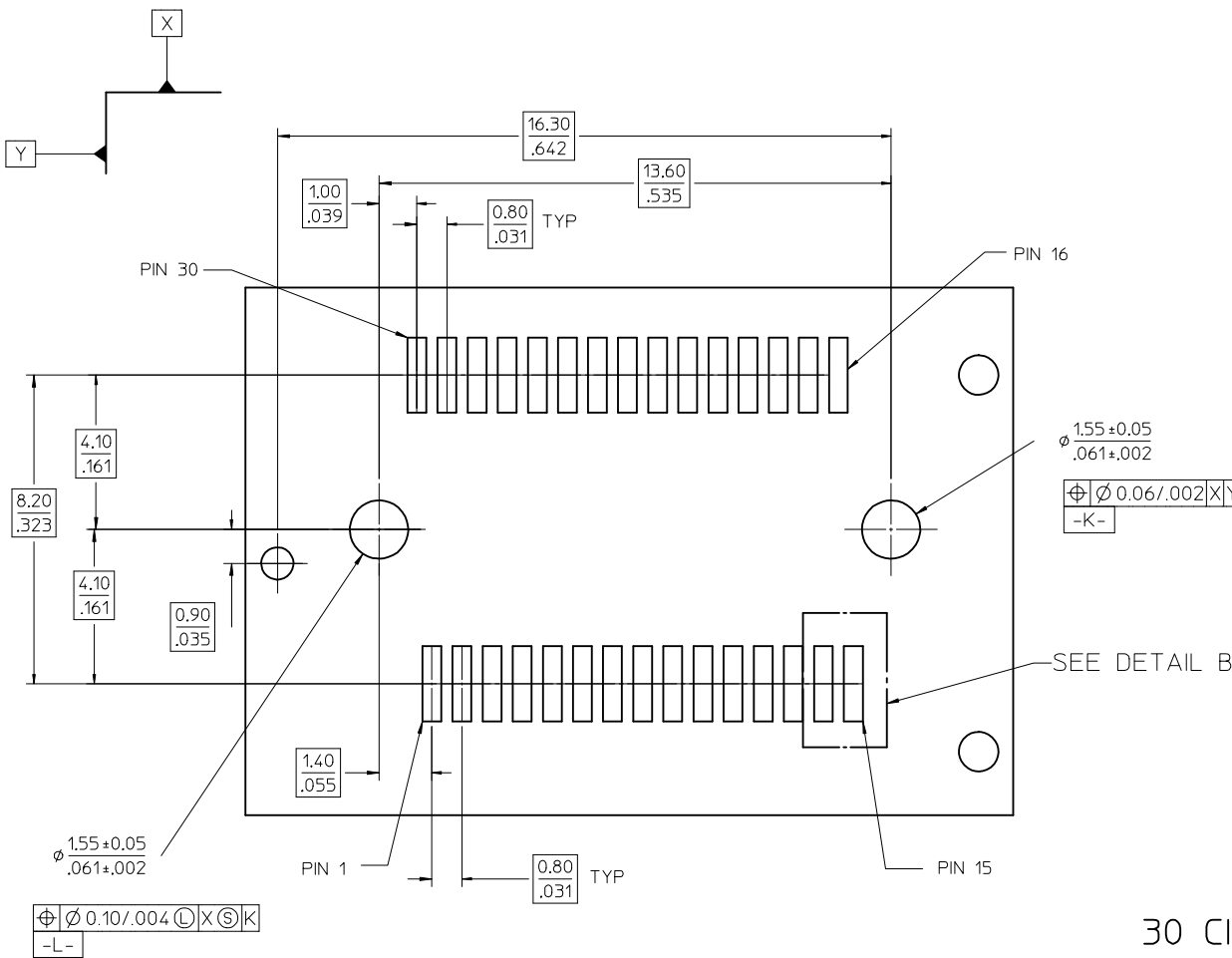


SCALE 10:1



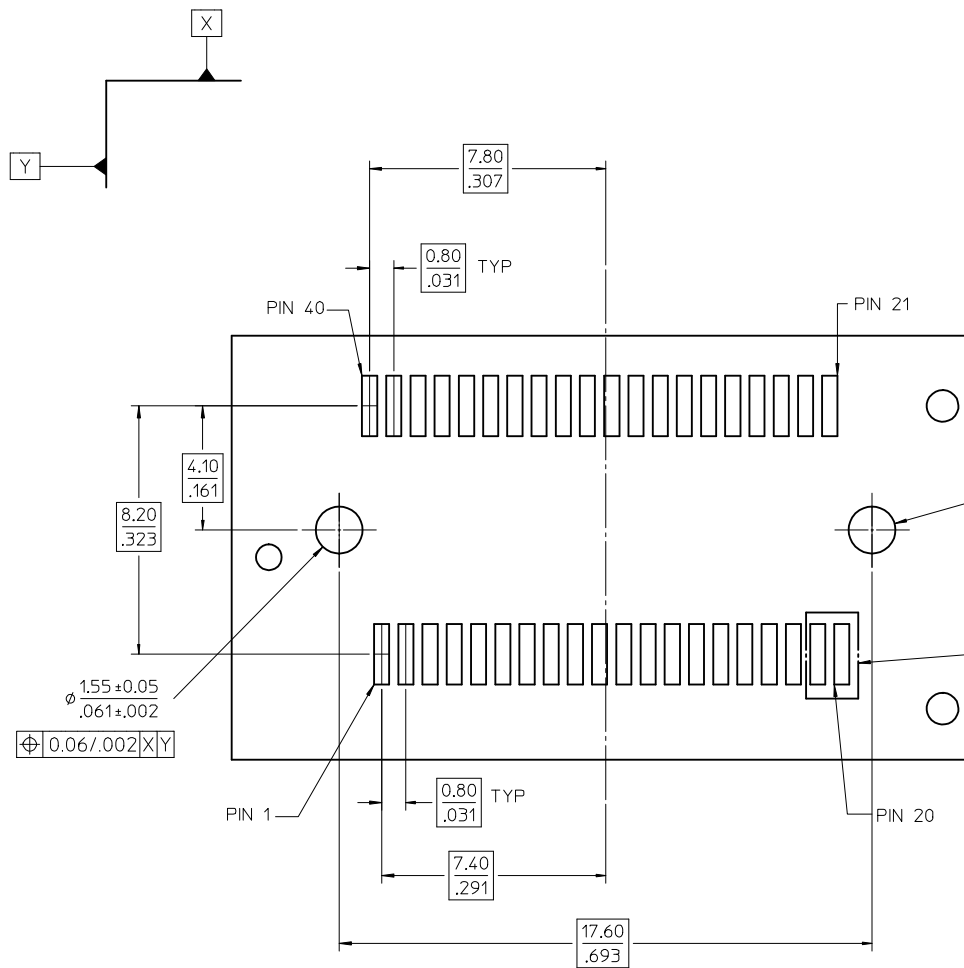
20 CIRCUIT MOTHER BOARD RECOMMENDED PCB LAYOUT

SEE SHEET 1 EC NO: UCP2014-2110 DRWNSVANG01 CHKD:TIBARA APPR:SMILLER 2013/11/14 2013/11/14 2013/12/06	DESCRIPTION	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	DATE					
			3 PLACES	± ---	± ---	KSWEENEY	00/04/06					
			2 PLACES	± 0.13	± .005	APPROVED BY	DATE	DOCUMENT NO. SD-74441-001				
			1 PLACE	± 0.25	± .010	MBANAKIS	00/04/06					
			0 PLACE	±	±	MATERIAL NO.						
			ANGULAR ±1/2°		SEE TBL. SHT 1							
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

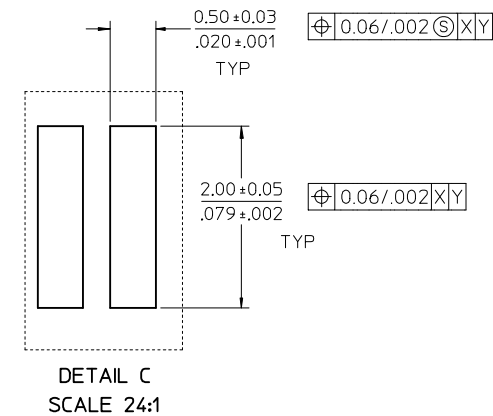


30 CIRCUIT MOTHER BOARD RECOMMENDED PCB LAYOUT

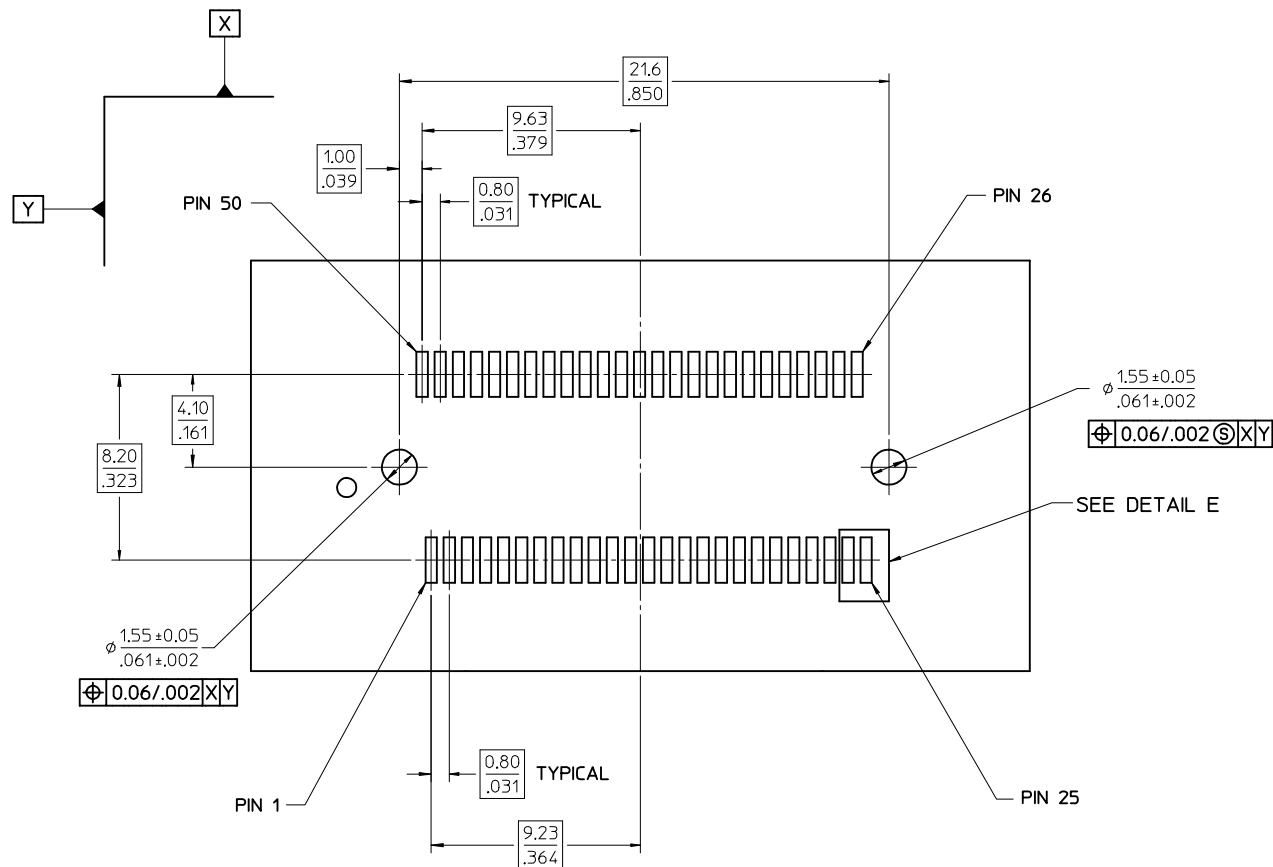
SEE SHEET 1 EC NO: UCP2014-2110 2013/11/14 DRAWNSVANG01 2013/11/14 CHKD: TIBARRA 2013/12/06 APPR: SMILLER	DESCRIPTION	REV	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE 6:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
					mm	INCH	DRAWN BY HAVERY	DATE 00/04/06	TITLE SALES ASSEMBLY Z AXIS PLUGGABLE PCB CONNECTOR				
				4 PLACES	± ---	± ---	CHECKED BY KSWENEY	DATE 00/04/06					
				3 PLACES	± ---	± ---	APPROVED BY MBANAKIS	DATE 00/04/06					
				2 PLACES	± 0.13	± .005	MATERIAL NO. SEE TBL, SHT 1		DOCUMENT NO. SD-74441-001				
				1 PLACE	± 0.25	± .010							
				0 PLACE	±	±							
				ANGULAR ±1/2°		SHEET NO. 4 OF 7							
				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			



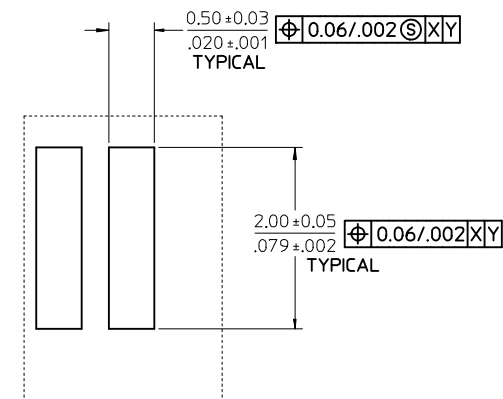
40 CIRCUIT MOTHER BOARD RECOMMENDED PCB LAYOUT



SEE SHEET 1 EC NO: UCP2014-2110 DRWNSVANG01 2013/11/14 CHKD:TIBARRA 2013/11/14 APPR:SMILLER 2013/12/06 W	DESCRIPTION REV	QUALITY SYMBOLS 	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						
			4 PLACES ±.13 ±.005		CHECKED BY KSWEENEY		DATE 00/04/06	molex						
			3 PLACES ±.25 ±.010		APPROVED BY MBANAKIS		DATE 00/04/06							
			2 PLACES ±.13 ±.005		MATERIAL NO. SEE TBL, SHT 1		DOCUMENT NO. SD-74441-001						SHEET NO. 5 OF 7	
			1 PLACE ±.25 ±.010		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							

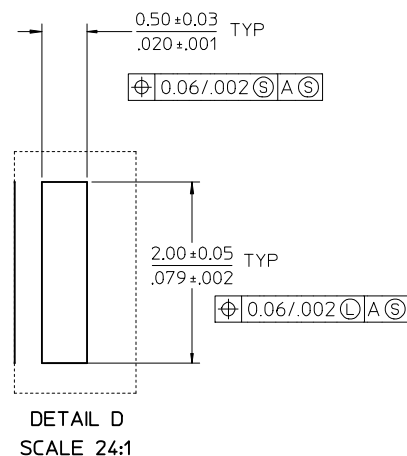


50 CIRCUIT MOTHER BOARD RECOMMENDED PCB LAYOUT



DETAIL E
SCALE 24:1

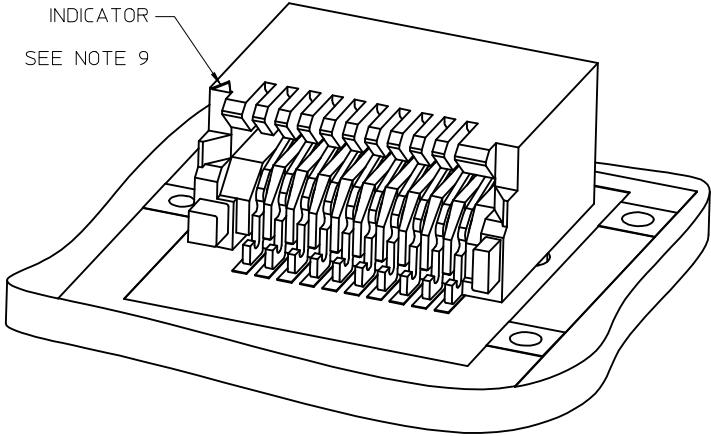
SEE SHEET 1	EC NO: UCP2014-210			2013/11/14	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
	DRWNSVANG01			2013/11/14			mm INCH			MM/IN		6:1		METRIC			
	CHKD: TIBARRA			2013/12/06			4 PLACES ± --- ± ---			DRAWN BY DATE		TITLE		SALES ASSEMBLY Z AXIS PLUGGABLE PCB CONNECTOR			
	APP: SMILLER						3 PLACES ± --- ± ---			HAVERY 00/04/06							
							2 PLACES ±.013 ±.005			CHECKED BY DATE							
							1 PLACE ±.025 ±.010			KSWEENEY 00/04/06							
							0 PLACE ± ±			APPROVED BY DATE							
							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			
							SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								



SEE SHEET 1 EC NO.: UCP2014-2410 DRWNG:VANG01 CHKD:T1BARRA APPR:SMILLER 2013/11/14 2013/11/14 2013/12/06	DESCRIPTION	QUALITY SYMBOLS = 0 = 0 = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE 6:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
			4 PLACES ± --- ± ---	DRAWN BY HAVERY	DATE 00/04/06	TITLE SALES ASSEMBLY Z AXIS PLUGGABLE PCB CONNECTOR			
			3 PLACES ± --- ± ---	CHECKED BY KSWENEY	DATE 00/04/06	molex			
			2 PLACES ± 0.13 ± .005	APPROVED BY MBANAKIS	DATE 00/04/06				
1 PLACE ± 0.25 ± .010	MATERIAL NO. SEE TBL, SHT 1		DOCUMENT NO. SD-74441-001	SHEET NO. 7 OF 7					
0 PLACE ± ±	ANGULAR ±1/2°		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE C						

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						

CIRCUIT 1
INDICATOR
SEE NOTE 9



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

CIRCUIT 1
IDENTIFIER

1.02
.040 2 PLACES

"B"
"B"

"C" ±0.08
"C" ±.003

B1

A1

1.16
.046

2.94
.116

0.90
.035

0.80
.031 TYP

A1

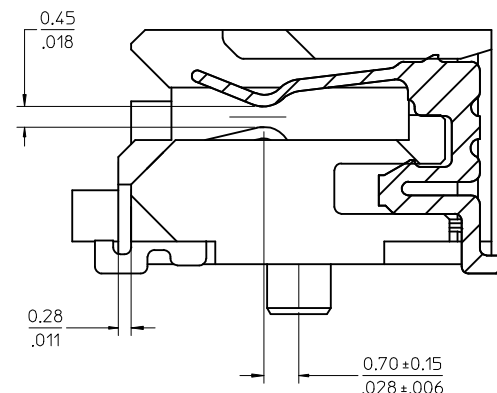
B1

1.40 ±0.05
.055 ±.002

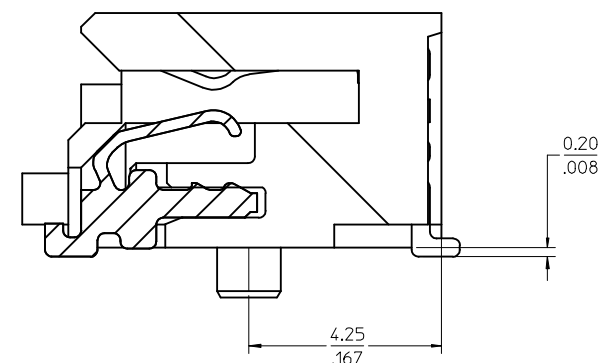
8.23
.324

φ 1.40 ±0.05
.055 ±.002

"D"
"D"



SECTION A1-A1
SCALE 12:1



SECTION B1-B1
SCALE 12:1

SEE SHEET 1
EC NO: UCP2013-5005
DRAWN BY: BBARKER 2013/05/17
CHKD BY: DMORGAN
APPR BY: SMILLER 2013/06/03

DESCRIPTION
REV
QUALITY SYMBOLS
▽=0
▽=0
▽=0

GENERAL TOLERANCES
(UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .005
2 PLACES	± 0.13	± .010
1 PLACE	± 0.25	± ---
0 PLACE	±	±

ANGULAR ±1/2°
DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM/IN

DRAWN BY	DATE
BBARKER	2007/01/23

CHECKED BY	DATE
MSIBARRA	2007/01/23

APPROVED BY	DATE
SMILLER	2007/01/23

MATERIAL NO.
SEE TBL, SHT 1

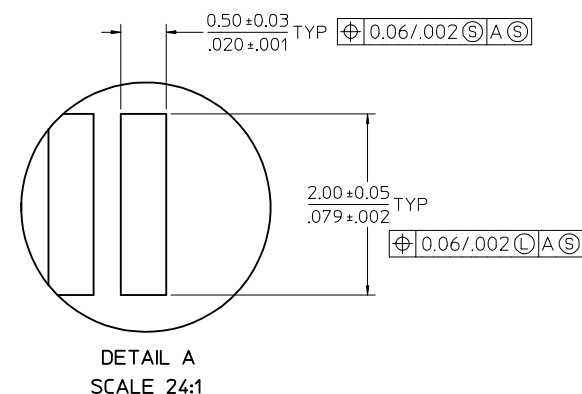
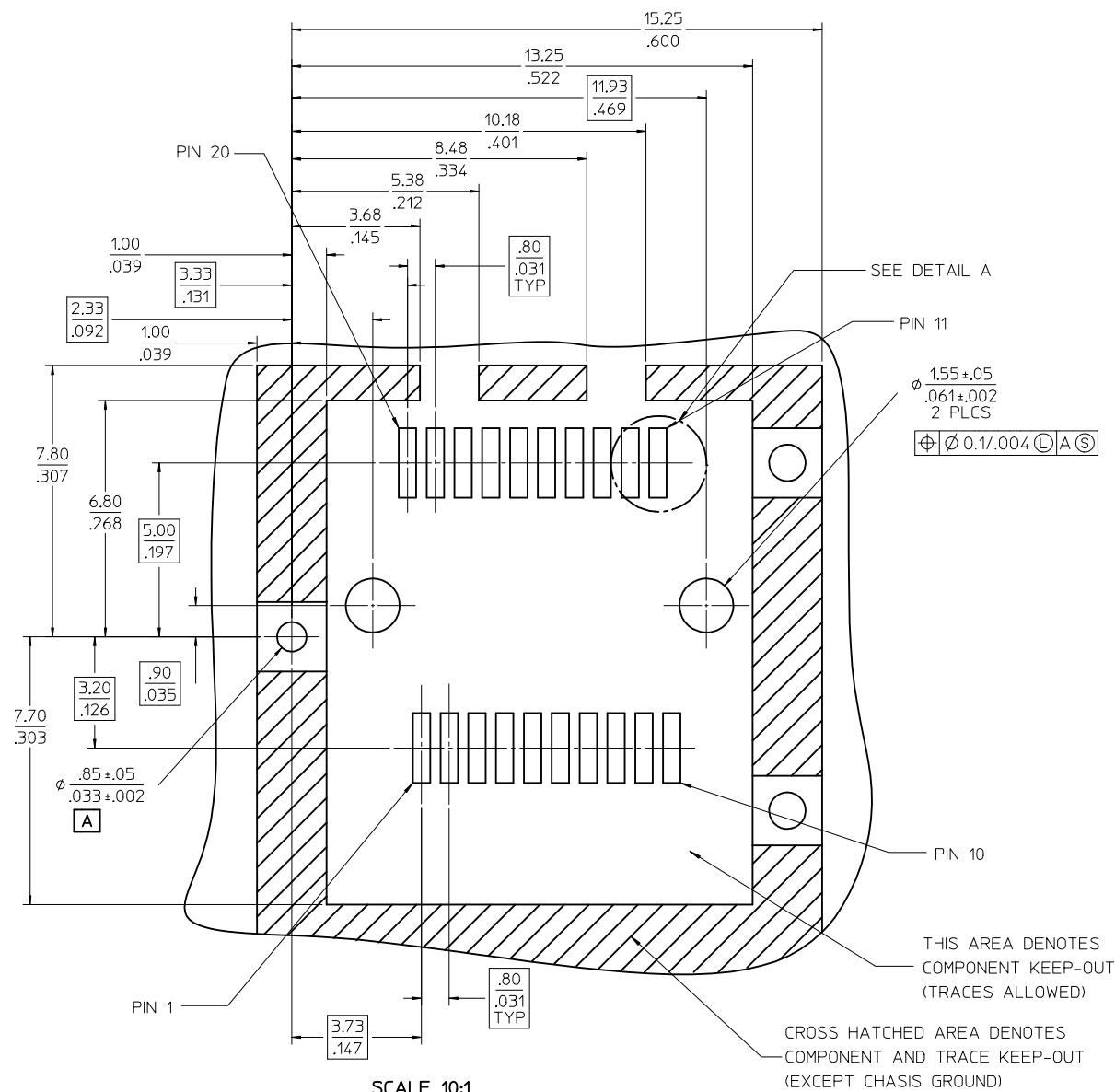
SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
6:1	METRIC	THIRD ANGLE PROJECTION

TITLE
SALES ASSEMBLY
SFP PLUS HOST CONNECTOR
20 CIRCUIT

DOCUMENT NO.
SD-74441-008

SHEET NO.
2 OF 3

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 DOCUMENT NO. SD-74441-008 SHEET NO. 3 OF 3					
			4 PLACES	± ---	± ---	CHECKED BY MSIBARRA	DATE 2007/01/23						
			3 PLACES	± ---	± .005	APPROVED BY SMILLER	DATE 2007/01/23						
			2 PLACES	± 0.13	± .010								
			1 PLACE	± 0.25	± ---								
			0 PLACE	±	±								
			ANGULAR ±1/2°		MATERIAL NO.								
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TBL, SHT 1								
			SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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