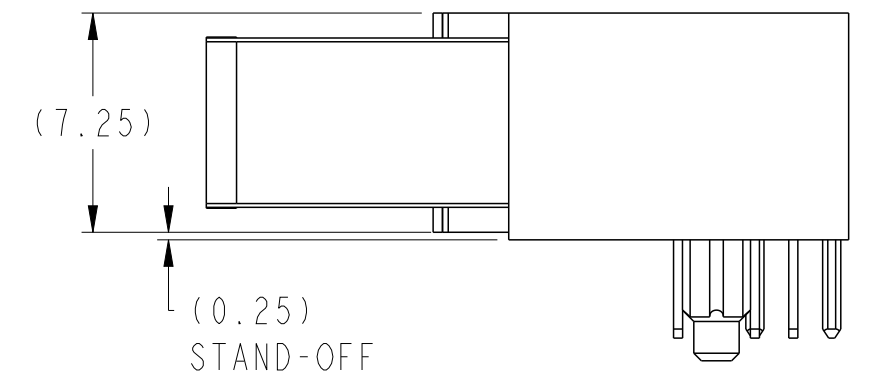
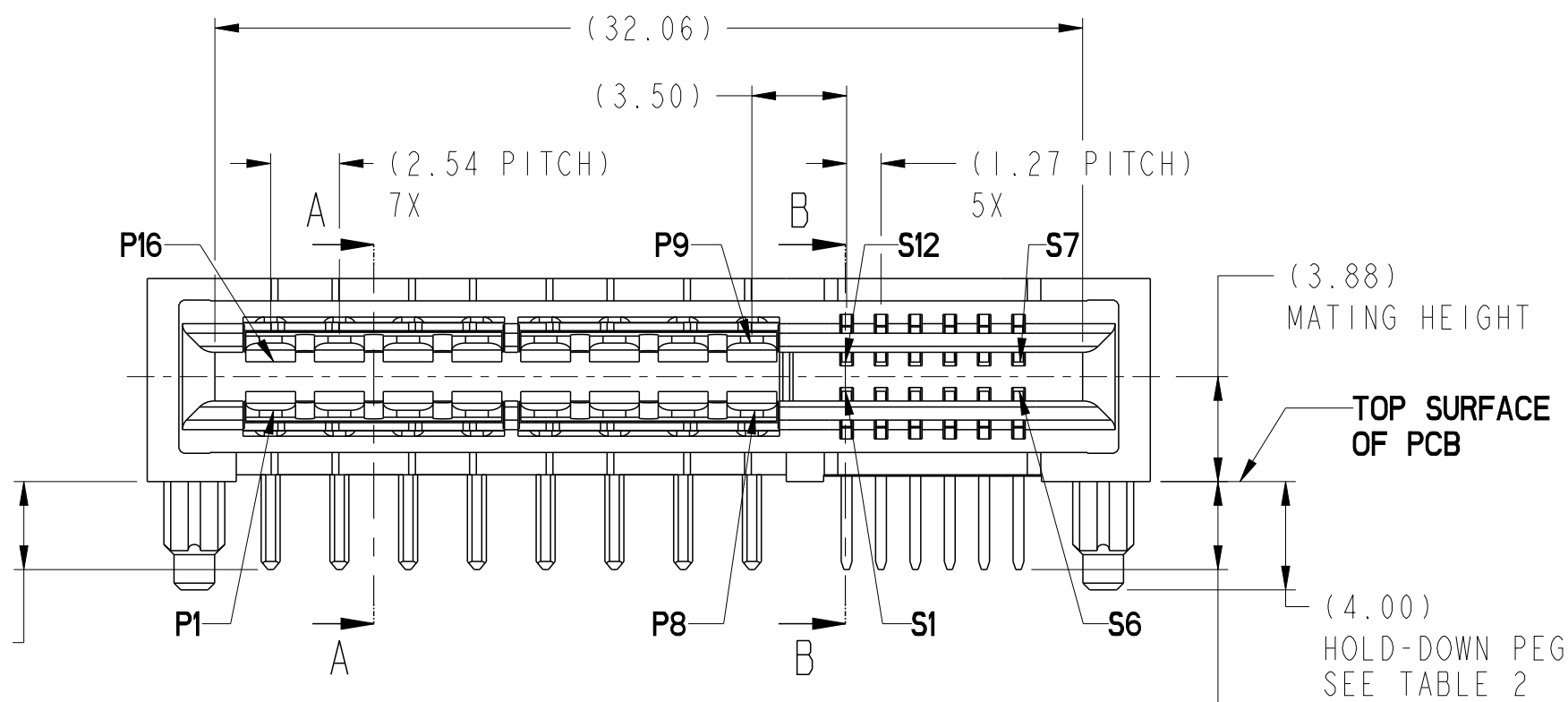
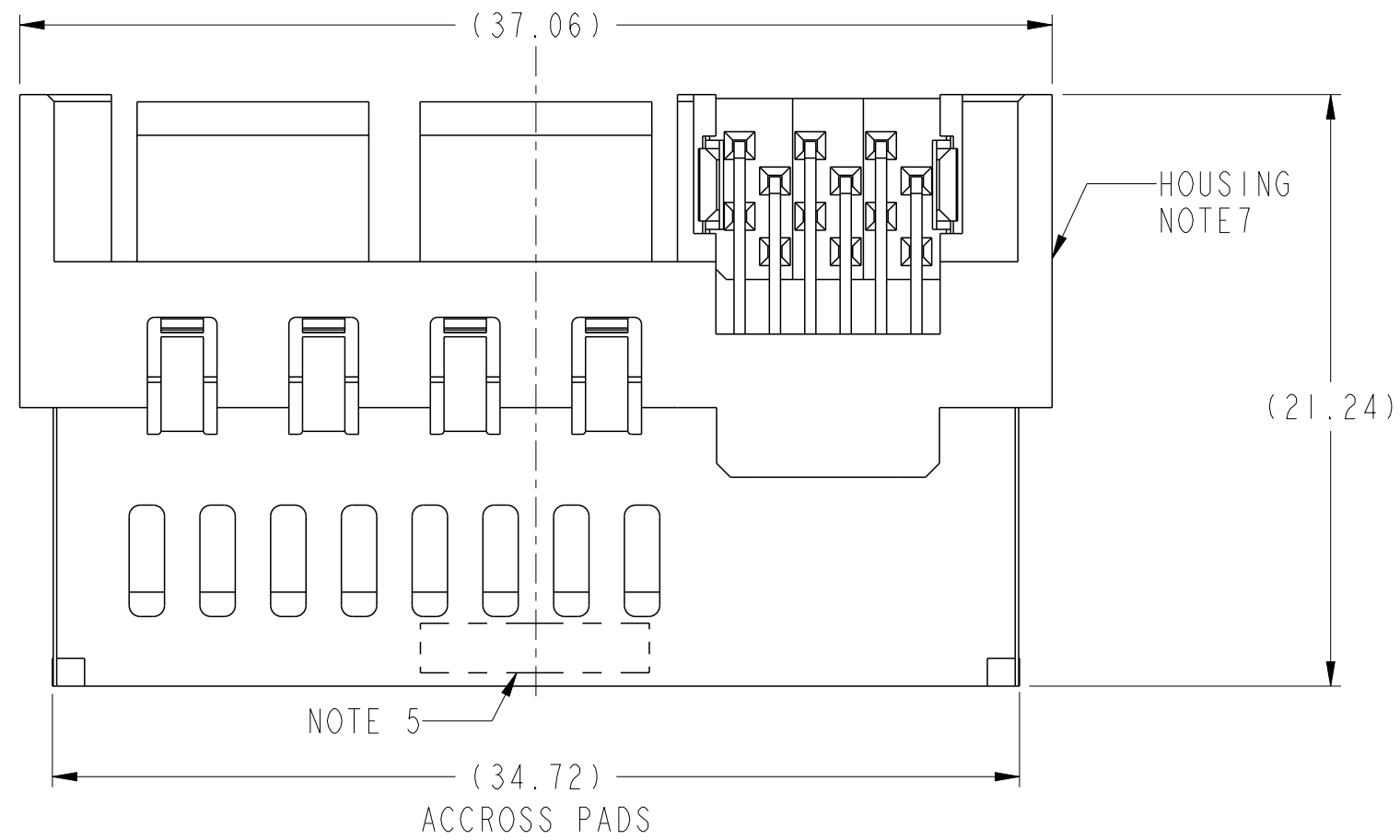
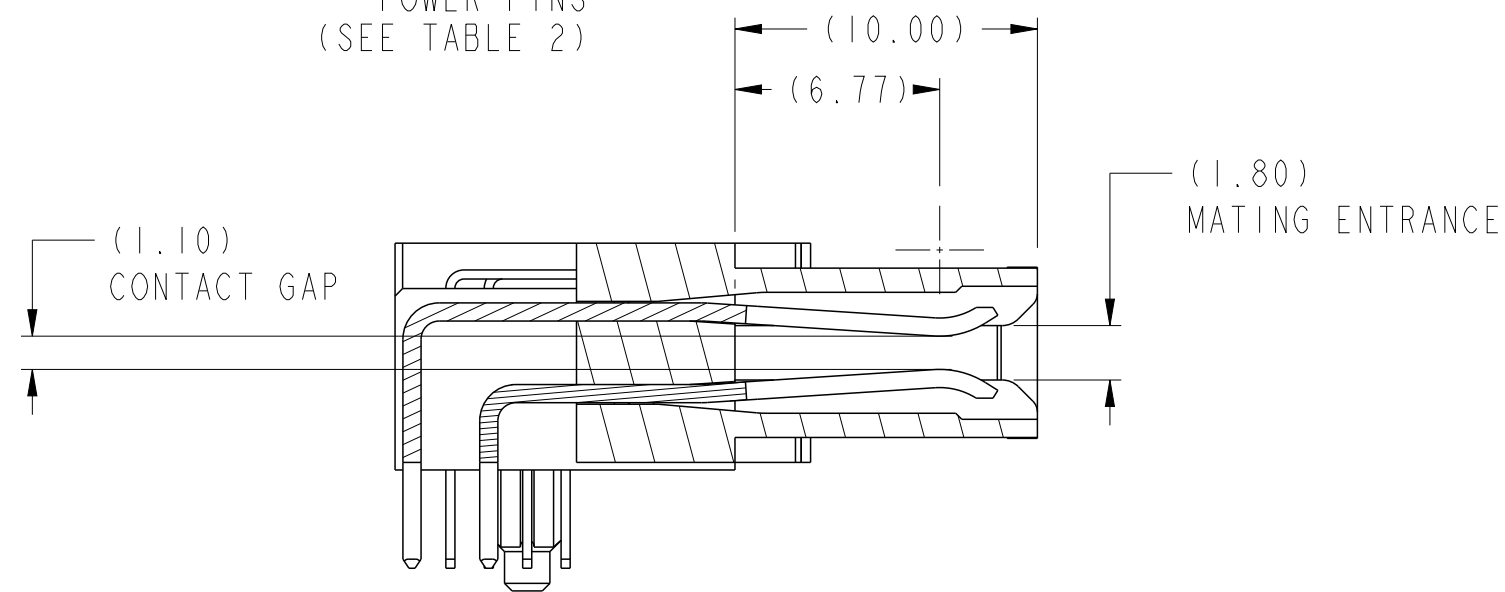


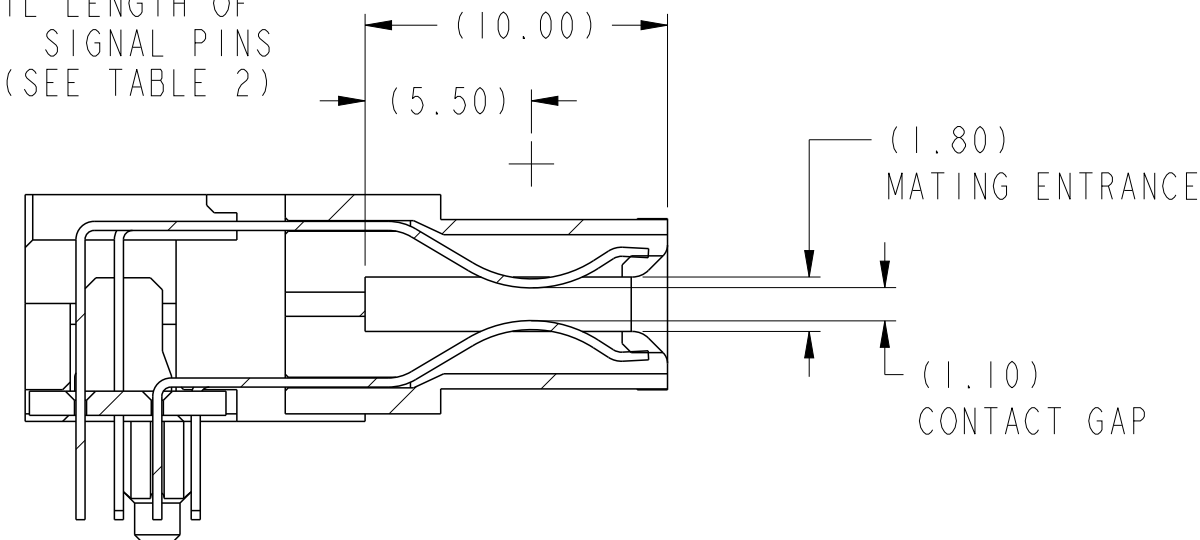


DIM"A"OPTIONAL
TAIL LENGTH OF
POWER PINS
(SEE TABLE 2)

DIM"B"OPTIONAL
TAIL LENGTH OF
SIGNAL PINS
(SEE TABLE 2)



SECTION A-A
SCALE 4:1

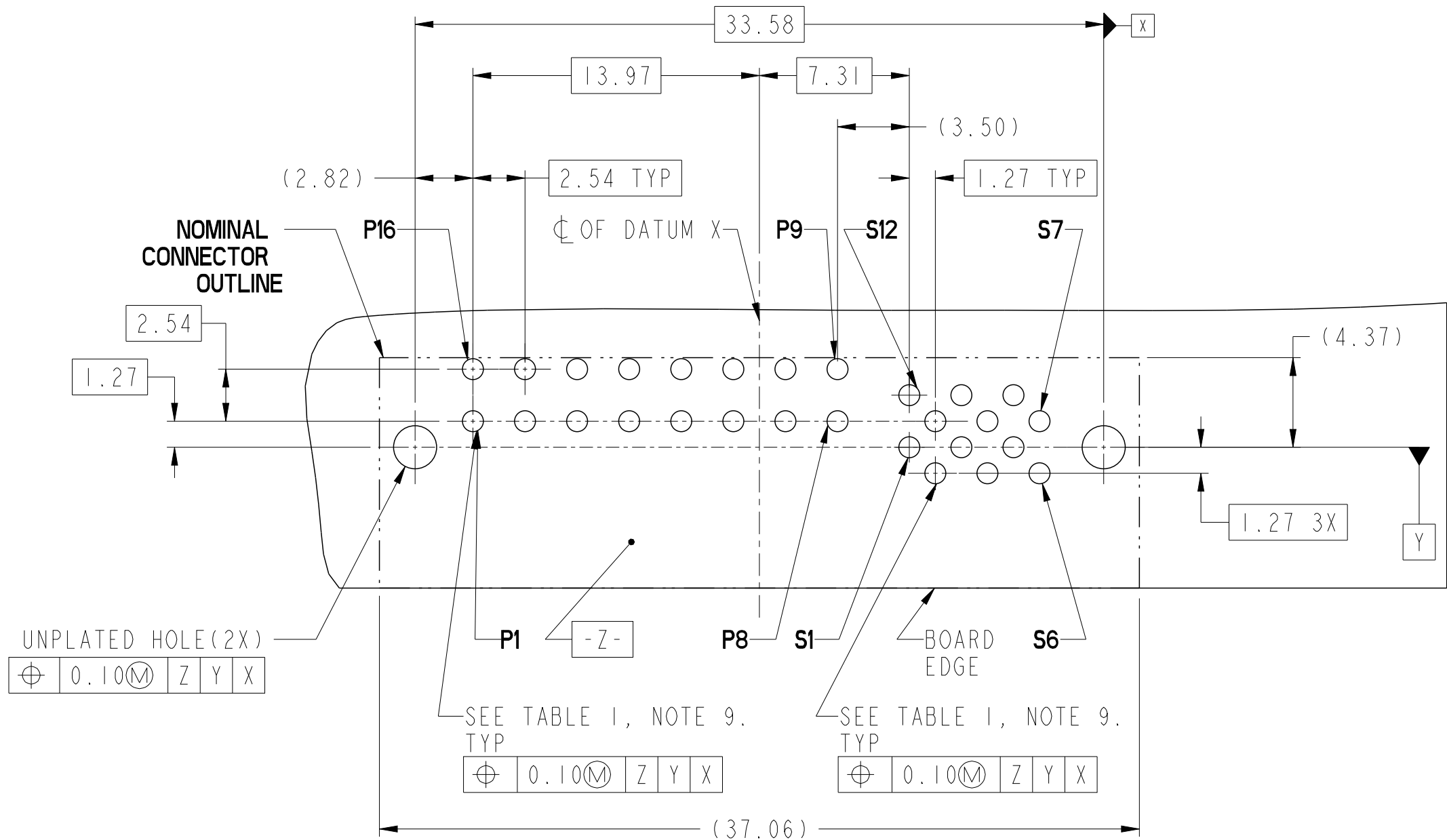


SECTION B-B
SCALE 4:1

REV	ECN NO.	DR	DATE
A	---	HELEN	2012-05-04
B	ELX-DG-15041-1	ERIC	2013-06-26

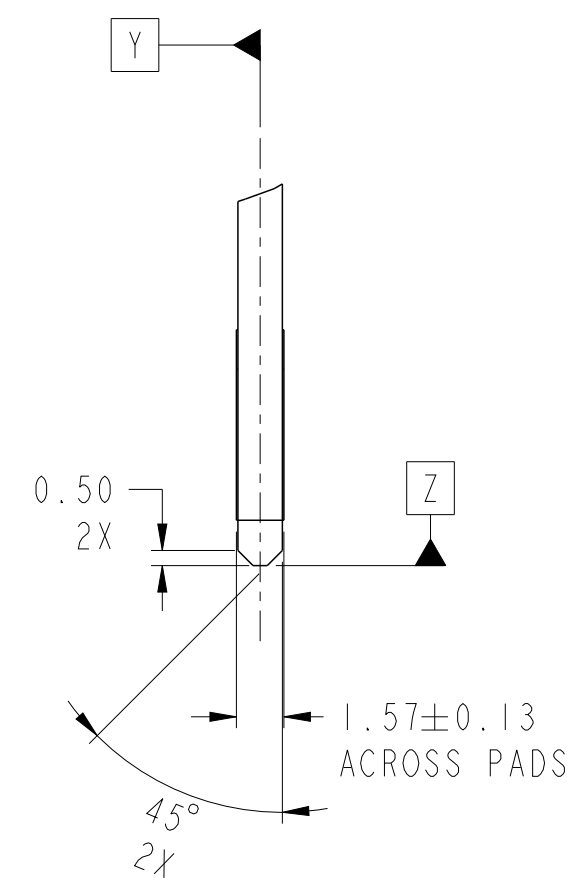
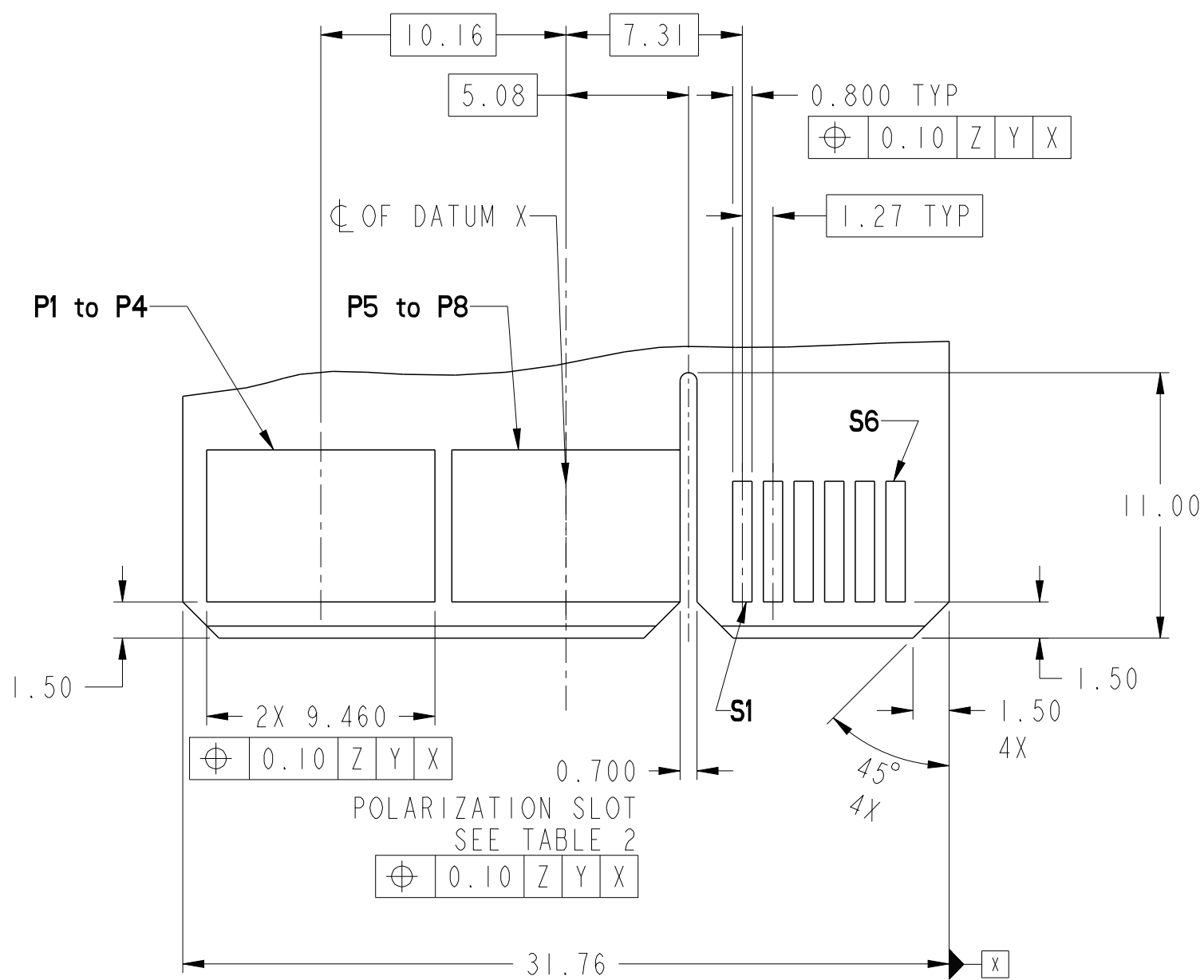
spec ref		-		dr		Wei-Long Zhang		2012/05/04		projection		MM		size		A2		scale		4:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Eric Jiang		2013/06/24						ecn no		ELX-DG-15041-1					
chr				Eleven Hu		2013/06/24		rel level						Released							
ISO 406 ISO 1101				appr		Pei-Ming Zheng		2013/06/24						product family							
surface 		linear		0.X		±0.3				title		R/A RECT (16P-12S) HIGH POWER CARD EDGE		dwg no		10121002		rev		B	
		0.XX		±0.10																	
		0.XXX		±0.05																	
ISO 1302		angular		0°		±2°		www.fci.com		cat. no.		Product - Customer Drw		sheet 1 of 4							

CONTACT TYPE	TOP LAYER DESCRIPTION	TABLE 1 (HPCE / SOLDER TAILS) PLATED THROUGH-HOLE REQUIREMENTS				
		DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	TIN THICKNESS	FINISHED HOLE DIAMETER
POWER & SIGNAL	TIN-LEAD	1.10-1.16 (1.15 DRILL)	0.025 - 0.050	0.005 - 0.015	--	0.94 - 1.10
	IMMERSION TIN	1.10-1.16 (1.15 DRILL)	0.025 - 0.050	--	0.9 - 1.5um	0.94 - 1.10
	COPPER (SEE NOTE 8)	1.10-1.16 (1.15 DRILL)	0.025 - 0.050	--	--	0.94 - 1.10

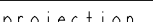
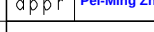


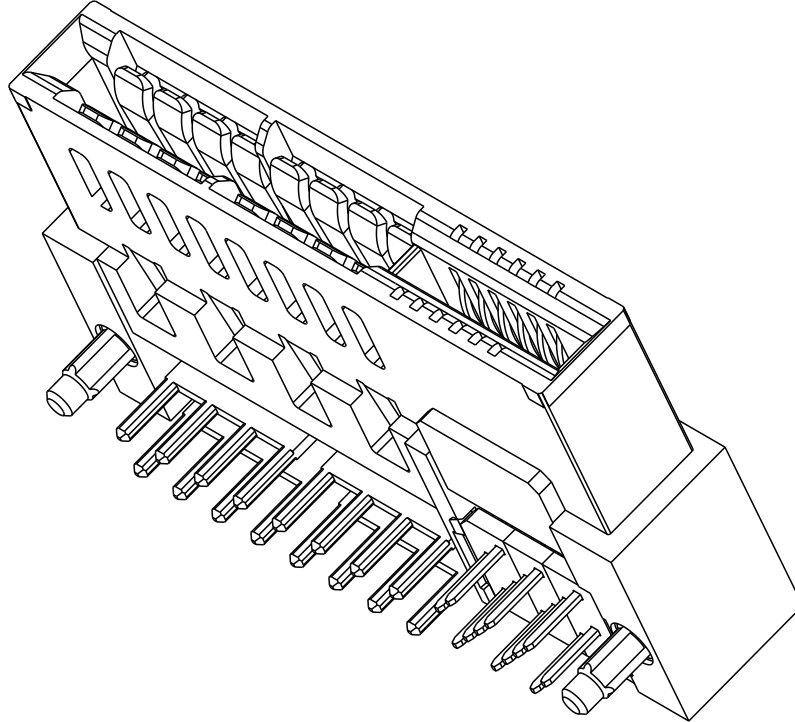
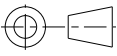
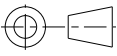
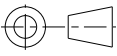
RECOMMENDED PCB LAYOUT

spec ref	-	dr	Wei-Long Zhang	2012/05/04	projection	MM	size	A2	scale	4:1
tolerance std	ISO 406 ISO 1101	eng	Eric Jiang	2013/06/24	chr	Eleven Hu	ecn no	ELX-DG-15041-1	rel level	Released
surface	ISO 1302	appr	Pei-Ming Zheng	2013/06/24	product family	R/A RECT (16P-12S) HIGH POWER CARD EDGE	dwg no	10121002	rev	B
linear	0.X ±0.3 0.XX ±0.10 0.XXX ±0.05	angular	0° ±2°	www.fci.com	cat. no.	Product - Customer Drw	sheet 2 of 4			



RECOMMENDED MATING BOARD
FOOT PRINT

spec ref		-		dr		Wei-Long Zhang		2012/05/04		projection				MM		size		A2		scale		4:1	
tolerance std		ISO 406 ISO 1101		eng		Eric Jiang		2013/06/24		product family				ecn no		ELX-DG-15041-1							
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr		Eleven Hu		2013/06/24		rel level						Released									
		appr		Pei-Ming Zheng		2013/06/24																	
surface		✓		linear		0.X		±0.3				title		R/A RECT (16P-12S) HIGH POWER CARD EDGE		dwg no		10121002		rev		B	
		0.XX		±0.10																			
		0.XXX		±0.05																			
ISO 1302		angular		0°		±2°		www.fci.com		cat. no.		Product - Customer Drw		sheet 3 of 4									

1		2		3		4		5		6		7		8																																																																																																																			
HPCE PART NUMBER (TABLE 2)																																																																																																																																	
PART NUMBER	TAIL TYPE	HOLD-DOWN OPTION	ORIENTATION KEY	DIM "A" TAIL LENGTH OF POWER PINS		DIM "B" TAIL LENGTH OF SIGNAL PINS																																																																																																																											
10121002-001LF	SOLDER TAIL	NO	YES	3.25±0.25		3.25±0.25																																																																																																																											
10121002-002LF			NO																																																																																																																														
10121002-003LF		YES	YES																																																																																																																														
10121002-004LF			NO																																																																																																																														
10121002-005LF		NO	YES	2.60±0.25		2.60±0.25																																																																																																																											
10121002-006LF			NO																																																																																																																														
10121002-007LF		YES	YES																																																																																																																														
10121002-008LF			NO																																																																																																																														
10121002-009LF		YES	NO	2.60±0.25		2.10±0.25																																																																																																																											
NOTES:																																																																																																																																	
1. CONNECTOR MATERIALS:																																																																																																																																	
HOUSING: HIGH TEMPERATURE THERMAL PLASTIC, BLACK																																																																																																																																	
UL 94V-0 COMPLIANT																																																																																																																																	
CONTACTS: HIGH PERFORMANCE COPPER ALLOY.																																																																																																																																	
2. CONTACT FINISH REF. GS-12-604 SECTION 5.2.																																																																																																																																	
3. PRODUCT SPECIFICATION: GS-12-604.																																																																																																																																	
4. APPLICATION SPECIFICATION: GS-20-128.																																																																																																																																	
5. PRODUCT MARKING (FCI - PART NUMBER & DATE CODE) ON HOUSING IN AREA SHOWN.																																																																																																																																	
6. PACKAGING MEETS FCI SPECIFICATION GS-14-937.																																																																																																																																	
7. HOUSING COMPONENT WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 60 SECONDS IN A CONVECTION, INFRA-RED, OR VAPOR PHASE REFLOW OVEN.																																																																																																																																	
8. COPPER PLATING THICKNESS IN CENTER OF VIA-HOLE CAN BE NO MORE THAN 0.003 LESS THAN OTHER AREAS.																																																																																																																																	
9. ALL HOLE SIZES ARE FINISHED HOLE SIZES.																																																																																																																																	
10. MOUNTING HOLES ARE UNPLATED Ø 2.18 +/- 0.03 FOR SOLDER TAILS																																																																																																																																	
11. A  SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.																																																																																																																																	
<table><tr><td colspan="2">spec ref</td><td colspan="2">-</td><td colspan="2">dr</td><td colspan="2">Wei-Long Zhang</td><td colspan="2">2012/05/04</td><td colspan="2">projection</td><td colspan="2">MM</td><td colspan="2">size</td><td colspan="2">A2</td><td colspan="2">scale</td><td colspan="2">4:1</td></tr><tr><td colspan="2">tolerance std</td><td colspan="2">ISO 406</td><td colspan="2">TOLERANCES UNLESS OTHERWISE SPECIFIED</td><td colspan="2">eng</td><td colspan="2">Eric Jiang</td><td colspan="2">2013/06/24</td><td colspan="2" rowspan="3"></td><td colspan="2" rowspan="3">←→</td><td colspan="2">ecn no</td><td colspan="2">ELX-DG-15041-1</td><td colspan="2"></td></tr><tr><td colspan="2">ISO 1101</td><td colspan="2"></td><td colspan="2">chr</td><td colspan="2">Eleven Hu</td><td colspan="2">2013/06/24</td><td colspan="2">rel level</td><td colspan="2">Released</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2">appr</td><td colspan="2">Pei-Ming Zheng</td><td colspan="2">2013/06/24</td><td colspan="2">product family</td><td colspan="2"></td></tr><tr><td colspan="2">surface</td><td colspan="2">✓</td><td colspan="2">linear</td><td colspan="2">0.X</td><td colspan="2">±0.3</td><td colspan="2">FCI</td><td colspan="2">title</td><td colspan="2">R/A RECT (16P-12S)</td><td colspan="2">dwg no</td><td colspan="2">10121002</td><td colspan="2">rev</td></tr><tr><td colspan="2">ISO 1302</td><td colspan="2"></td><td colspan="2">angular</td><td colspan="2">0°</td><td colspan="2">±2°</td><td colspan="2">www.fci.com</td><td colspan="2">cat. no.</td><td colspan="2">Product - Customer Drw</td><td colspan="2">sheet 4 of 4</td><td colspan="2">B</td></tr></table>														spec ref		-		dr		Wei-Long Zhang		2012/05/04		projection		MM		size		A2		scale		4:1		tolerance std		ISO 406		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Eric Jiang		2013/06/24				←→		ecn no		ELX-DG-15041-1				ISO 1101				chr		Eleven Hu		2013/06/24		rel level		Released						appr		Pei-Ming Zheng		2013/06/24		product family				surface		✓		linear		0.X		±0.3		FCI		title		R/A RECT (16P-12S)		dwg no		10121002		rev		ISO 1302				angular		0°		±2°		www.fci.com		cat. no.		Product - Customer Drw		sheet 4 of 4		B			
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1		2		3		4		5		PDS: Rev :B		STATUS:Released		Printed: Jun 25, 2013																																																																																																																			