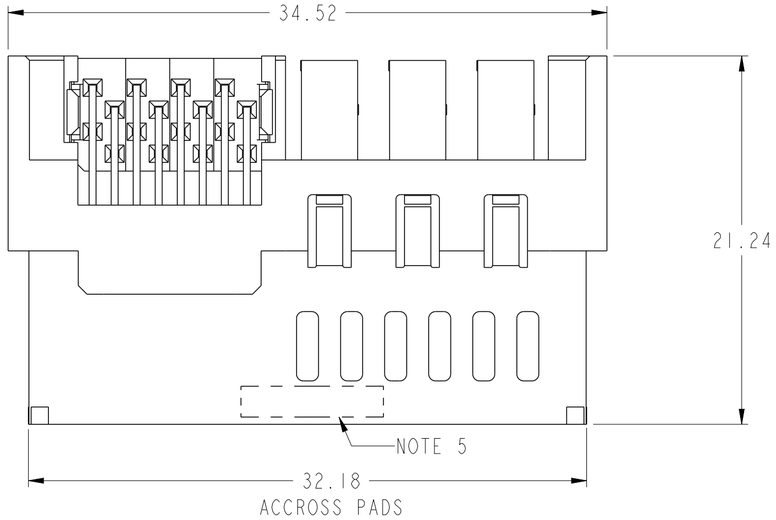
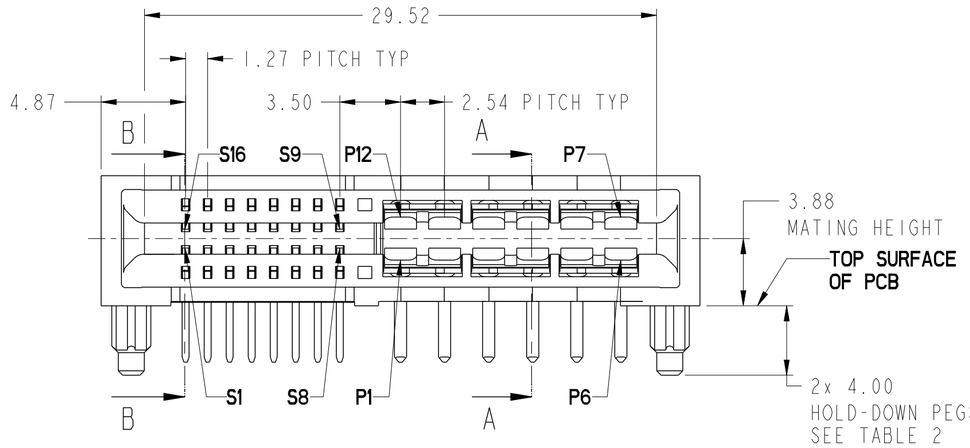
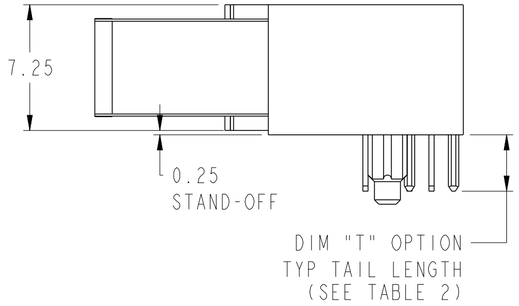
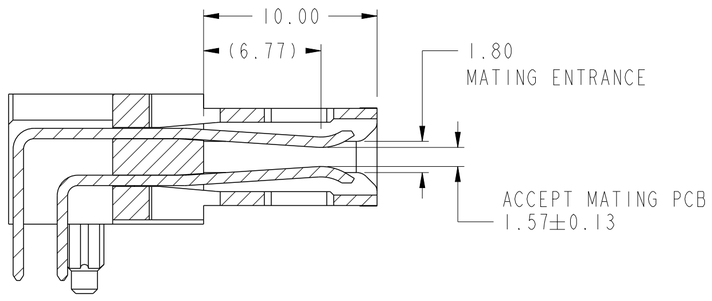
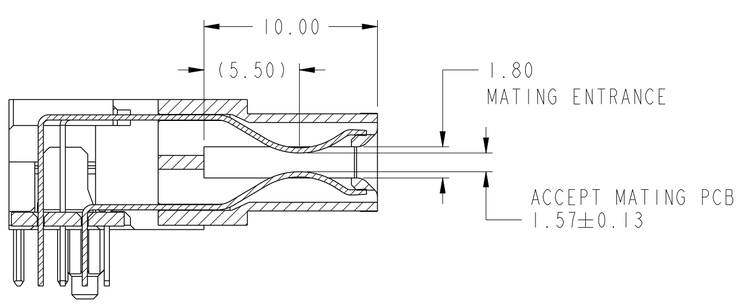








SECTION A-A
SCALE 4:1

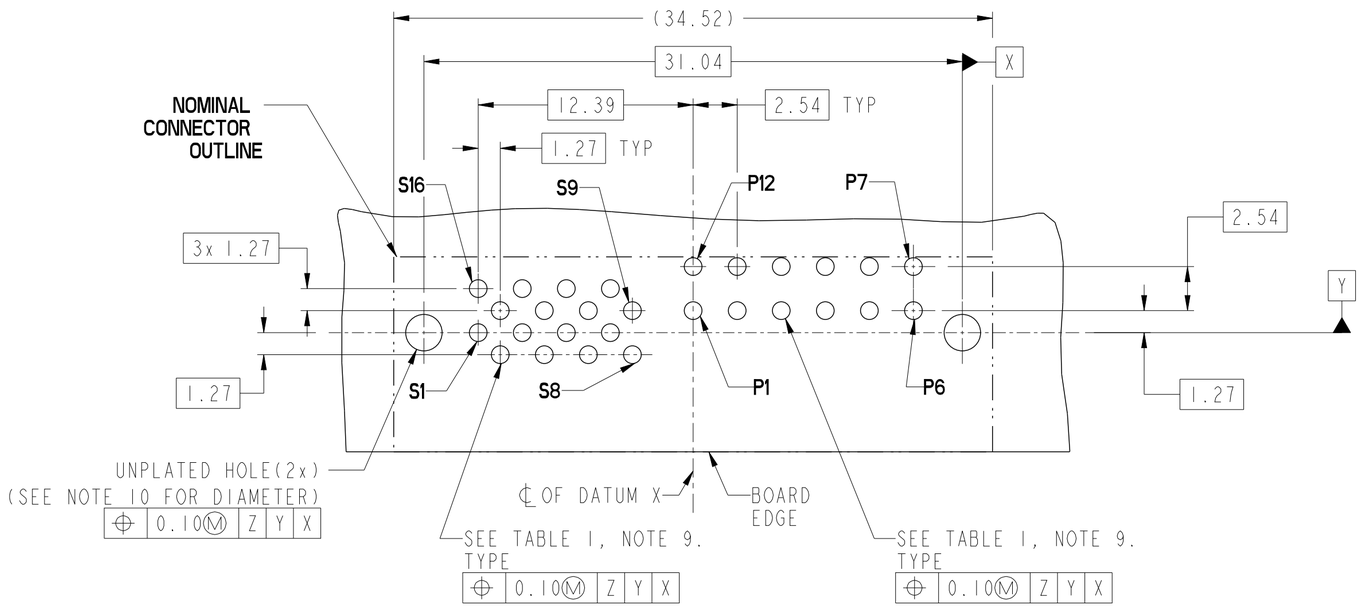


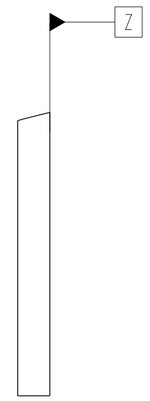
SECTION B-B
SCALE 4:1

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spec ref	-			dr	De-Ming Lu	2014/02/24	projection	MM	size A2 / scale 4:1
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Sunny2 Liu	2016/05/06			ecn no ELX-DG-24036-1
				chr	Terris Liu	2016/05/20			
				appr	Pei-Ming Zheng	2016/05/24	product family		rel level Released
surface ISO 1302	linear	0.X	±0.5	Amphenol FCi	title: R/A RECT 16S+12P HIGH POWER CARD EDGE			dwg no 10129174	rev B
		0.XX	±0.25						
		0.XXX	±0.10						
	angular	0°	±2°		cat. no.		Product - Customer Drw		sheet 1 of 4

CONTACT TYPE	TOP LAYER DESCRIPTION	TABLE I (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

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spec ref	-			dr	De-Ming Lu	2014/02/24	projection	MM
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Sunny2 Liu	2016/05/06		
				chr	Terris Liu	2016/05/20		
				appr	Pei-Ming Zheng	2016/05/24	product family	
surface ISO 1302	linear	0.X	±0.5	Amphenol FCi	title	R/A RECT 16S+12P HIGH POWER CARD EDGE		
		0.XX	±0.25					
		0.XXX	±0.10					
	angular	0°	±2°		cat. no.		Product - Customer Drw	

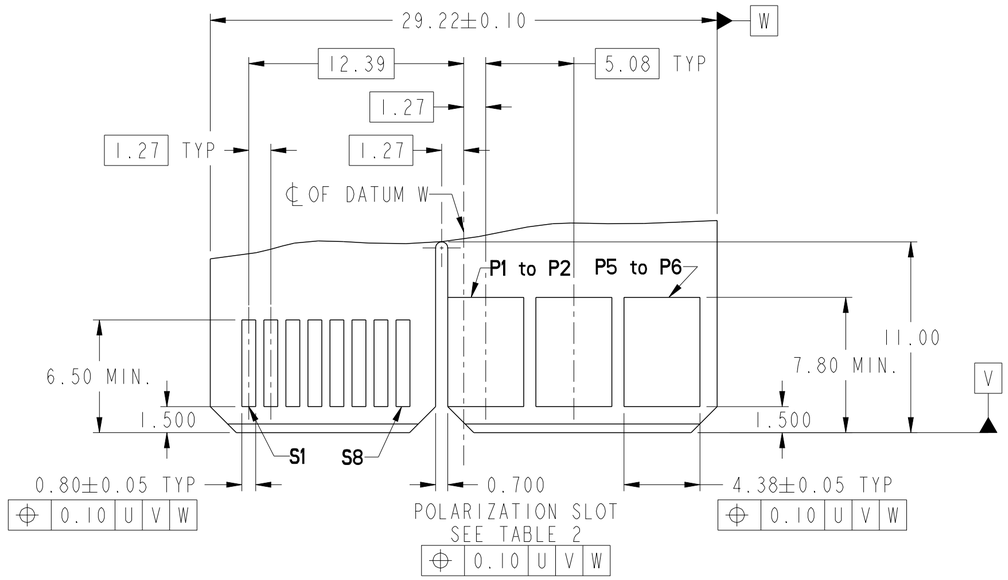
size	scale	rev
A2	4:1	B

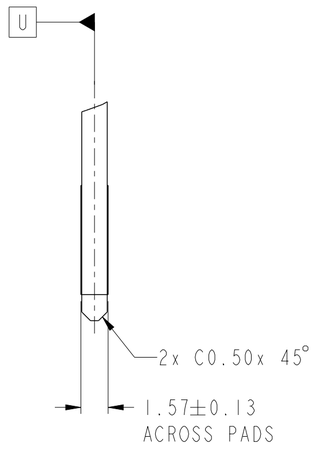
ecn no ELX-DG-24036-1

rel level Released

dwg no 10129174

sheet 2 of 4



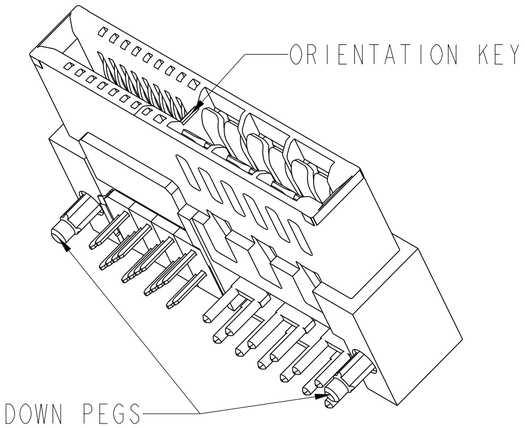


RECOMMENDED MATING BOARD FOOT PRINT

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spec ref	-	dr	De-Ming Lu	2014/02/24	projection	MM	size A2 / scale 4:1
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Sunny2 Liu	2016/05/06			ecn no ELX-DG-24036-1
		chr	Terris Liu	2016/05/20			
		appr	Pei-Ming Zheng	2016/05/24	product family		rel level Released
surface ISO 1302	linear 0.X ±0.5 / 0.XX ±0.25 / 0.XXX ±0.10 / angular 0° ±2°	Amphenol FCi			title: R/A RECT 16S+12P HIGH POWER CARD EDGE		dwg no 10129174 rev B
					cat. no.	Product - Customer Drw	sheet 3 of 4

HPCE PART NUMBER (TABLE 2)				
PART NUMBER	TAIL TYPE	HOLD-DOWN OPTION	ORIENTATION KEY	DIM "T" TAIL LENGTH
10129174-001LF	SOLDER TAIL	YES	YES	2.60±0.25
10129174-002LF			NO	
10129174-003LF		NO	YES	
10129174-004LF			NO	



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.

(B) 5. PRODUCT MARKING ON HOUSING IN AREA SHOWN MEETS AFCI SPECIFICATION: GS-24-007.

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 (B) WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

spec ref	-		dr	De-Ming Lu	2014/02/24	projection	MM	size A2 / scale 4:1
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Sunny2 Liu	2016/05/06			
			chr	Terris Liu	2016/05/20			ecn no ELX-DG-24036-1
			appr	Pei-Ming Zheng	2016/05/24	product family		rel level **Released**
surface ISO 1302	linear	0.X	±0.5	Amphenol FCi	title R/A RECT 16S+12P HIGH POWER CARD EDGE		dwg no 10129174	rev **B**
		0.XX	±0.25					
		0.XXX	±0.10					
	angular	0°	±2°		cat. no.	Product - Customer Drw		sheet 4 of 4

Amphenol FCi
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Amphenol:

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