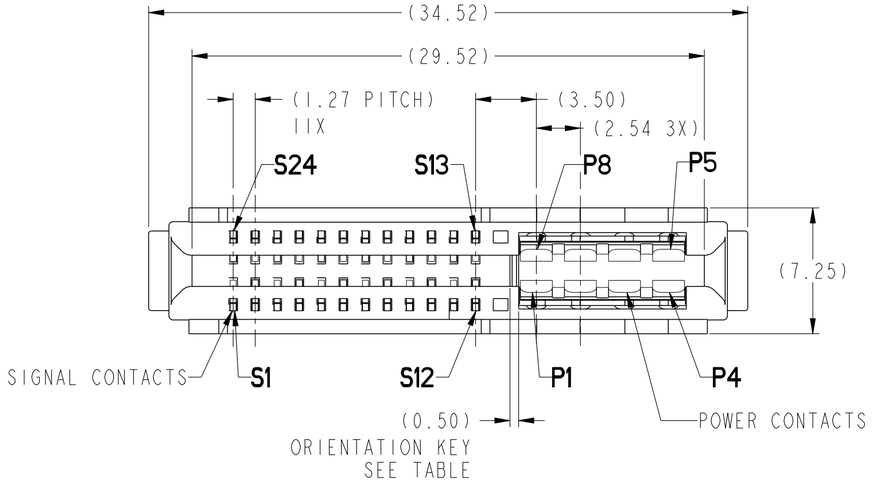
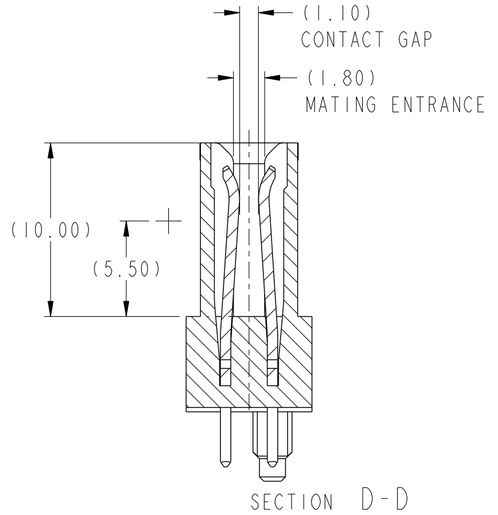
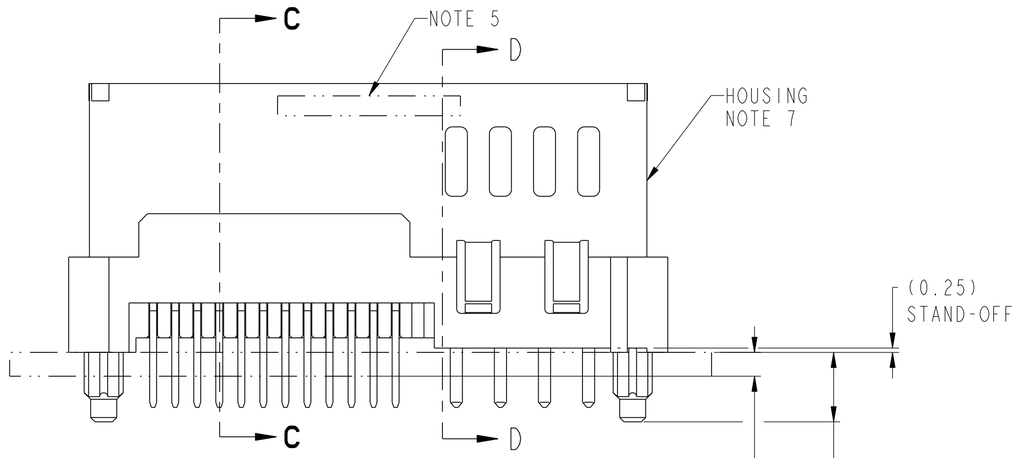
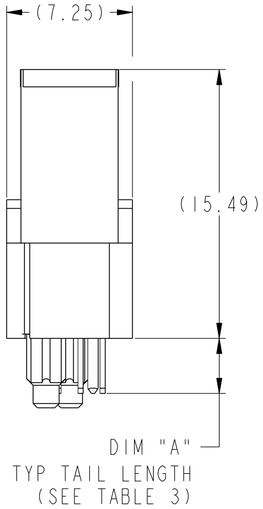
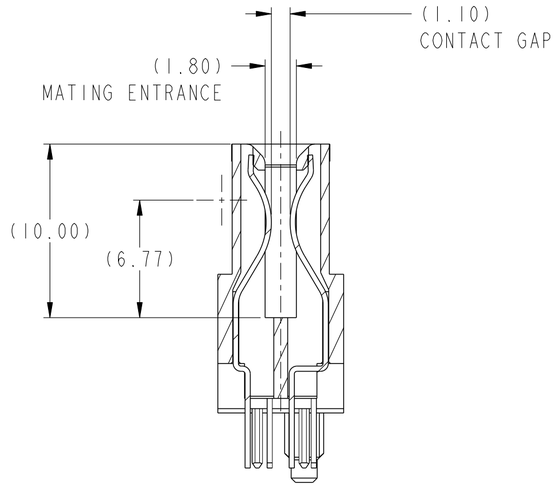




SECTION D-D







SECTION C-C

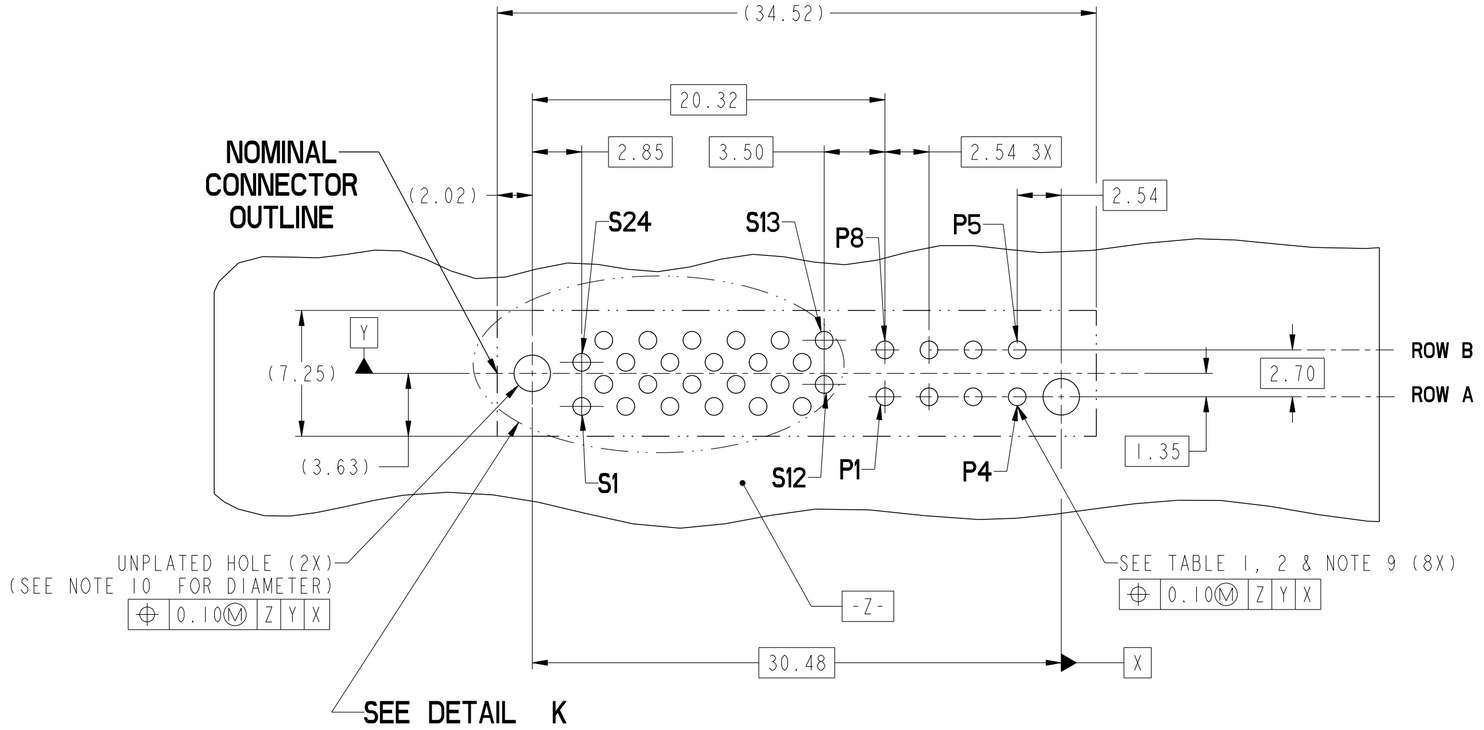
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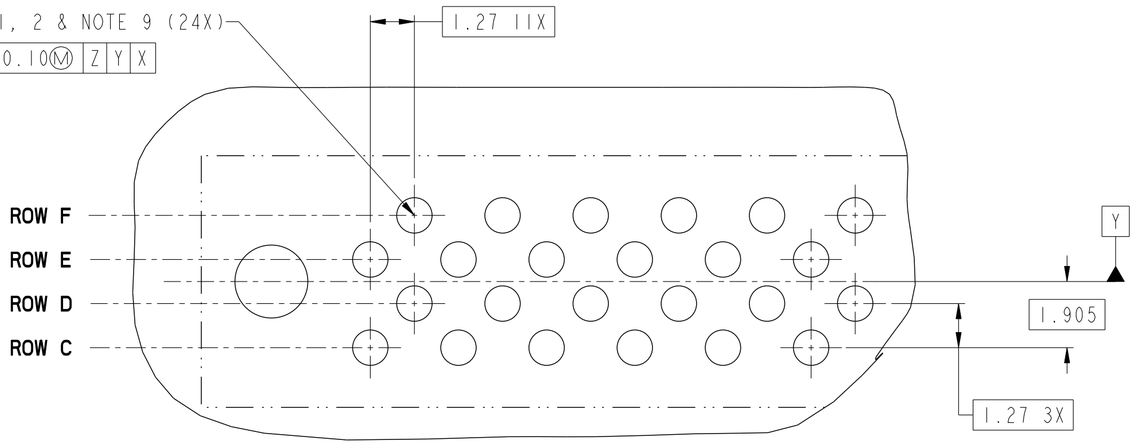
spec ref	-			dr	Wei-Long Zhang	2011/11/08	projection: MM
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Sunny2 Liu	2016/05/05	size: A2
-				chr	Terris Liu	2016/05/20	scale: 4:1
ASME Y14.5				appr	Pei-Ming Zheng	2016/05/24	ecn no: ELX-DG-24036-1
surface -	linear	0.X	±0.3	Amphenol FCi	title: VERT RECT (24S+8P) HIGH POWER CARD EDGE		product family: HPCE
		0.XX	±0.10				rel level: Released
ASME Y14.5		0.XXX	±0.050				dwg no: 10119449
	angular	0°	±2°		cat. no. -	Product - Customer Drw	rev: B
							sheet 1 of 4

Creo File - REV E - 2016-02-12

PDS: Rev :B STATUS: Released Printed: May 27, 2016

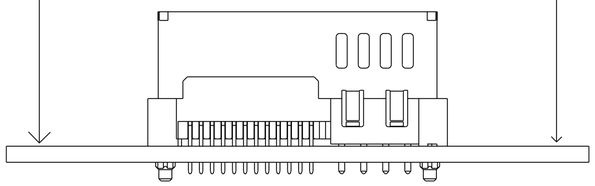
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DETAIL K
SCALE 8:1

RECOMMENDED PCB LAYOUTVIEWED FROM CONNECTOR SIDE



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spec ref	-		dr	Wei-Long Zhang	2011/11/08	projection	MM
tolerance std - ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Sunny2 Liu	2016/05/05		
			chr	Terris Liu	2016/05/20	size A2	scale 1:1
			appr	Pei-Ming Zheng	2016/05/24	ecn no ELX-DG-24036-1	
surface - ASME Y14.5	linear	0.X ±0.3	Amphenol FCi	title: VERT RECT (24S+8P) HIGH POWER CARD EDGE		product family -	rel level Released
		0.XX ±0.10				dwg no 10119449	rev B
		0.XXX ±0.050					
	angular	0° ±2°		cat. no. -		Product - Customer Drw	sheet 2 of 4

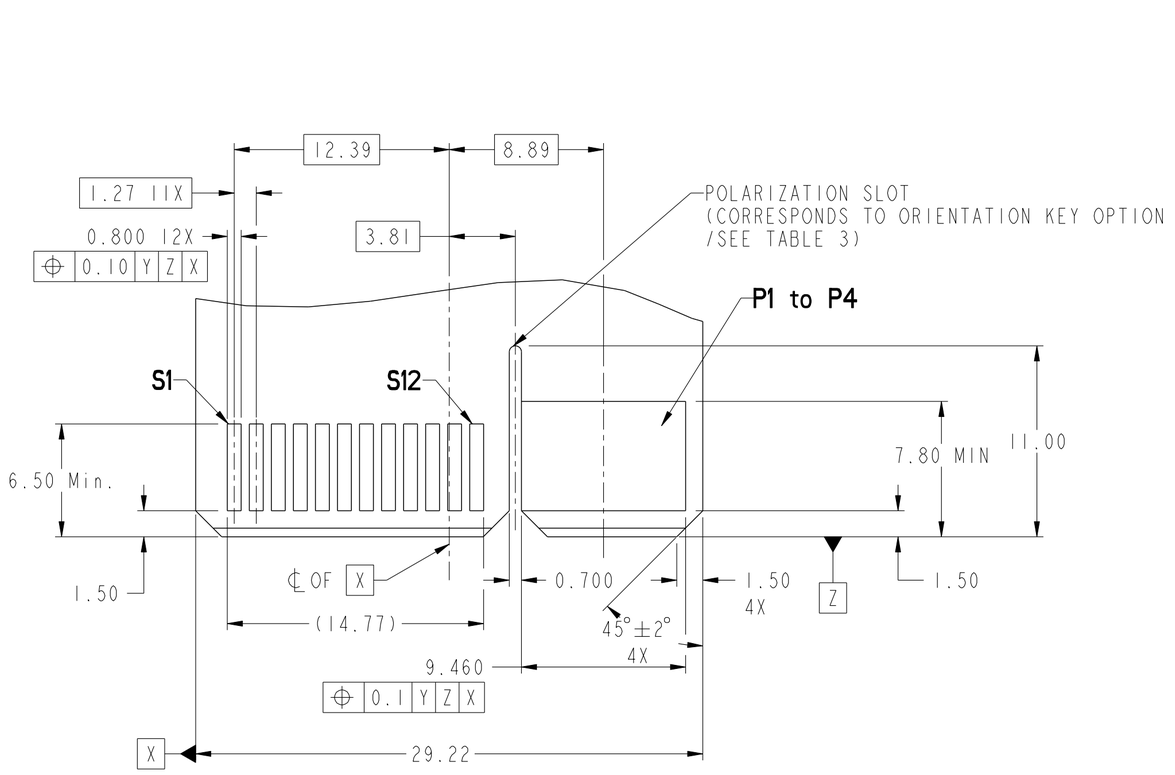
Creo File - REV E - 2016-02-12

PDS: Rev :B | STATUS: Released | Printed: May 27, 2016

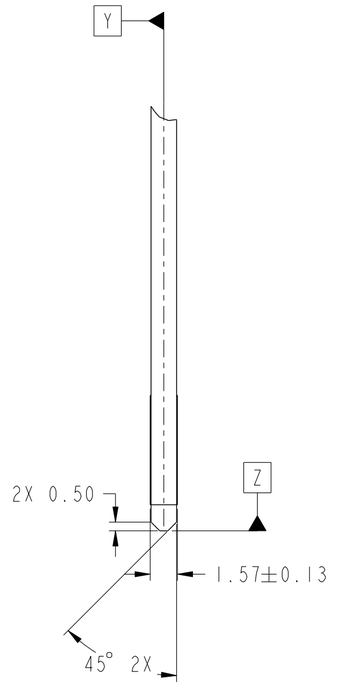
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CONTACT TYPE	TOP LAYER DESCRIPTION	TABLE 1 (HPCE / SOLDER TAILS) PLATED THROUGH-HOLE REQUIREMENTS				
		DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	TIN THICKNESS	FINISHED HOLE DIAMETER
POWER & SIGNAL	TIN-LEAD	1.10-1.16 (1.15 DRILL)	0.025 - 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

CONTACT TYPE	TOP LAYER DESCRIPTION	TABLE 2 (HPCE / PRESS-FIT TAILS) PLATED THROUGH-HOLE REQUIREMENTS				
		DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	TIN THICKNESS	FINISHED HOLE DIAMETER
POWER & SIGNAL	TIN-LEAD	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	0.005 - 0.015	--	0.65 - 0.80
	IMMERSION TIN	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	0.9 - 1.5um	0.70 - 0.80
	COPPER (SEE NOTE 8)	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	--	0.70 - 0.80



RECOMMENDED MATING BOARD FOOTPRINT

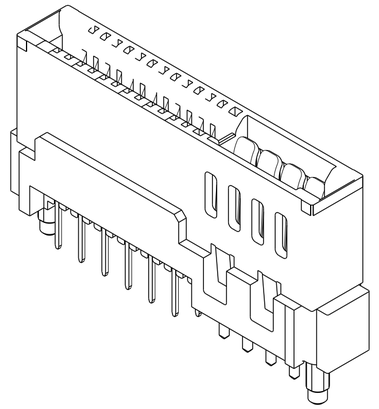


spec ref -			dr	Wei-Long Zhang	2011/11/08	projection	MM	size A2 / scale 1:1
tolerance std - ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Sunny2 Liu	2016/05/05			ecn no ELX-DG-24036-1
			chr	Terris Liu	2016/05/20			
			appr	Pei-Ming Zheng	2016/05/24	product family -		rel level Released
surface - ASME Y14.5	linear	0.X ±0.3	Amphenol FCi	title	VERT RECT (24S+8P) HIGH POWER CARD EDGE		dwg no 10119449	rev B
		0.XX ±0.10						
		0.XXX ±0.050						
	angular	0° ±2°		cat. no. -		Product - Customer Drw		sheet 3 of 4

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HPCE PART NUMBER (TABLE 3)					
PART NUMBER	TAIL TYPE	ORIENTATION KEY	DIM "A" TYPICAL TAIL LENGTH	DIM "B" RECOMMENDED BOARD THICKNESS	SPECIFICED APPLICATION TOOL
10119449-001LF	SOLDER	YES	3.17 ±0.25	1.59 - 2.38	NO
10119449-002LF	SOLDER	NO			
10119449-003LF	PRESS-FIT	YES	3.17 ±0.25	1.57 MIN.	YES NOTE 11
10119449-004LF	PRESS-FIT	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.
5. (B) 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 2.40 +/- 0.1 FOR PRESS-FIT TAILS
    Ø 2.18 +/- 0.03 FOR SOLDER TAILS
11. APPLICATION TOOL DRAWING: 10119453.
12. A SYMBOL (B) WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

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spec ref -		dr	Wei-Long Zhang	2011/11/08	projection: MM
tolerance std - ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Sunny2 Liu	2016/05/05	size A2 / scale 4:1
		chr	Terris Liu	2016/05/20	ecn no ELX-DG-24036-1
		appr	Pei-Ming Zheng	2016/05/24	product family HPCE / rel level Released
surface - ASME Y14.5	linear: 0.X ±0.3; 0.XX ±0.10; 0.XXX ±0.050	Amphenol FCi	title: VERT RECT (24S+8P) HIGH POWER CARD EDGE		dwg no 10119449 / rev B
	angular: 0° ±2°		cat. no. -	Product - Customer Drw	sheet 4 of 4

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