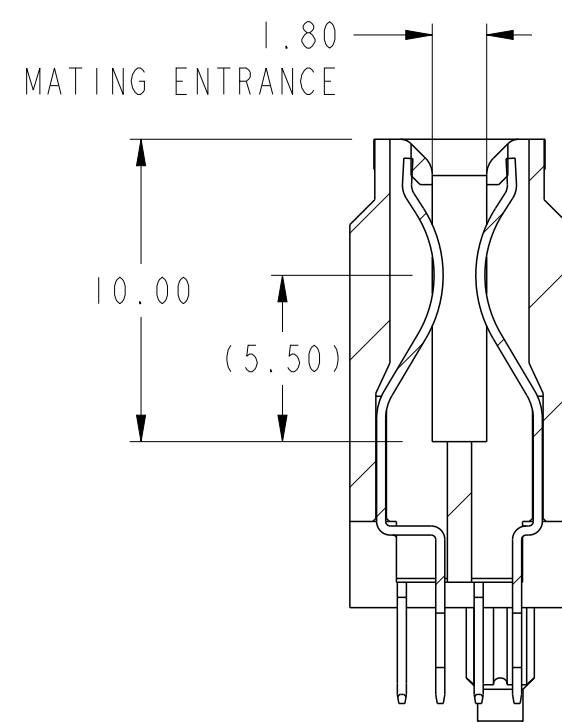


SECTION A-A  
SCALE 4:1



SECTION B-B  
SCALE 4:1

REV	ECN NO.	DR	DATE
A	---	ERIC	2013-07-09

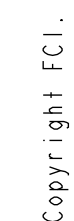
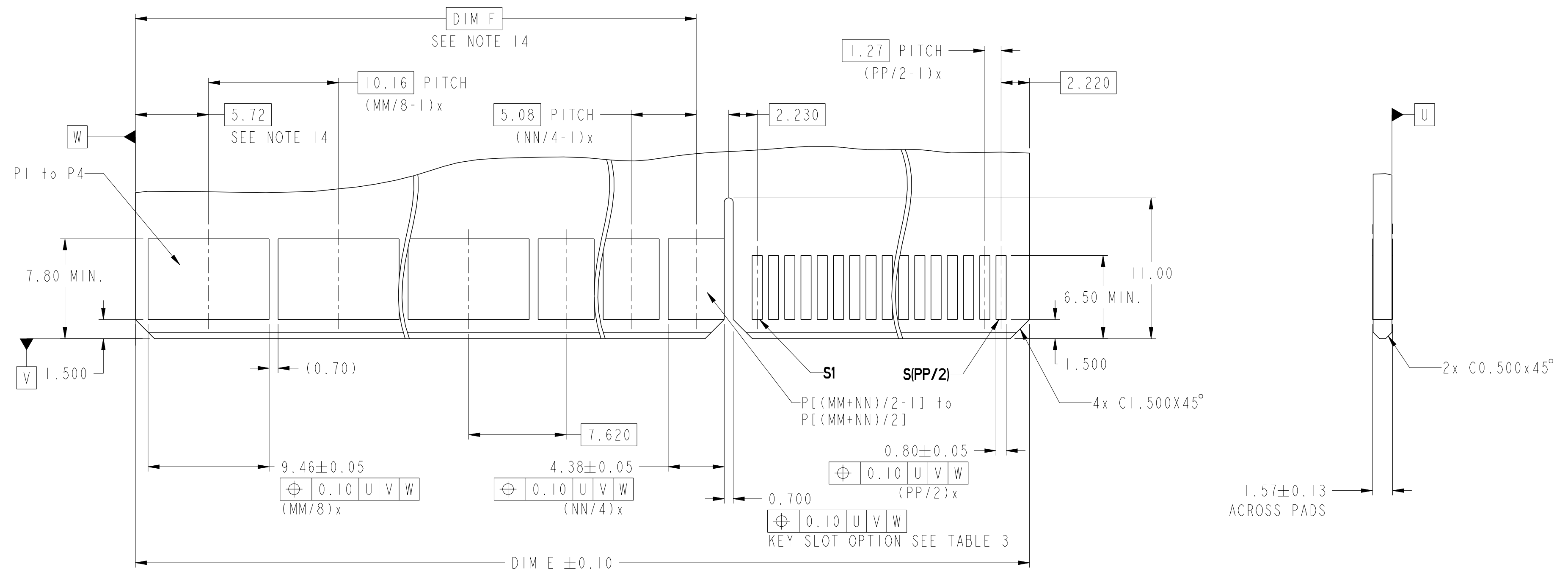
spec ref	-	dr	Wei-Long Zhang	2012/06/14	projection	MM	size	A2	scale	1:1
tolerance std	ASME Y14.5	eng	Eric Jiang	2013/07/10	chr	-	ecn no	-	rel level	Released
surface	✓	appr	Pei-Ming Zheng	2013/07/10	product family	VERT REC WITH ENHANCED WALLS	cat. no.	10121505	rev	A
ASME Y14.5	linear	0.X	$\pm 0.5$	0.XX	$\pm 0.25$	0.XXX	$\pm 0.10$	angular	0°	$\pm 2^\circ$

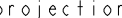



PDS: Rev :A

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spec ref		-		dr		Wei-Long Zhang		2012/06/14		projection		MM		size		A2		scale		1:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Eric Jiang		2013/07/10						ecn no		-		Released			
ASME Y14.5				chr		-		-													
				appr		Pei-Ming Zheng		2013/07/10		product family				rel level							
surface				linear				title		VERT REC WITH ENHANCED WALLS		dwg no		10121505		rev		A			
ASME Y14.5				angular																0° ±2°	

10121505 - MM NN PP LF

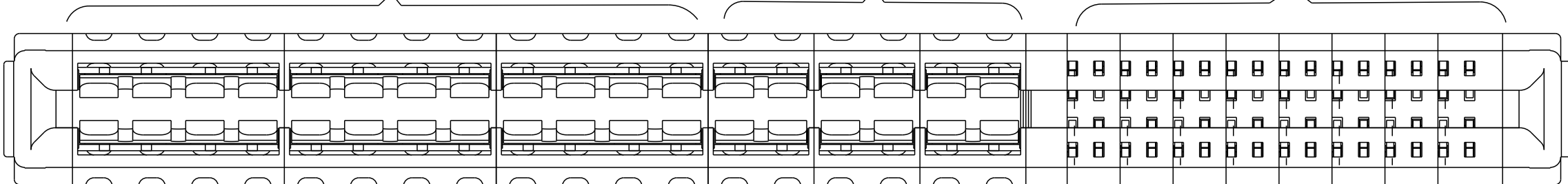
LEAD FREE

	A	B	C	D
Polarization Key Option	Y	Y	N	N
Tail Type Note 12	STB	PF	STB	PF

QUAD PWR BEAM QTY  
(NEXT TO LEFT END)

DUAL PWR BEAM QTY  
(NEXT TO SIGNAL)

SIGNAL CONTACT QTY



Example: The configuration above is 10121505-241232BLF  
VERT Press fit 36P32S with polarization key. 24P is Quad beam contact, 12P is dual beam contact.

TABLE 3. PART NUMBER CODE. HPCE VERT P+S CONFIG

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 2.40 +/- 0.1 FOR PRESS-FIT TAILS  
Ø 2.18 +/- 0.03 FOR SOLDER TAILS

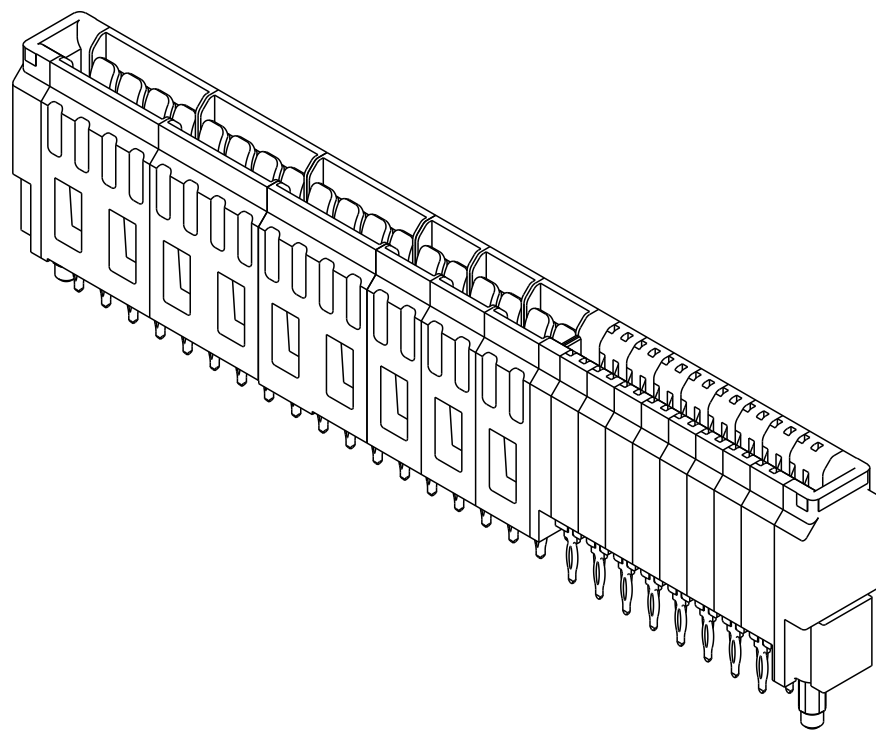
11. PRESS FIT APPLICATION TOOL DRAWING : 10119453.

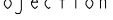



12. STB= Solder to board, 1.57-2.38mm PCB thickness.  
PF = Press fit, 1.57mm minimum PCB thickness.

13. MAXIMUM OVERALL LENGTH IS 100mm.

TABLE 2. LENGTH FORMULAS.

DIM A	13 (MM/8)X10.16+ (NN/4)X5.08 + (PP/2)X1.27 + 9.12
DIM B	DIM "A" - 5.00
DIM C	DIM "A" - 0.94
DIM D	DIM "A" - 4.04
DIM E	DIM "A" - 5.30
DIM F	(MM/8-1)x10.16 + (NN/4-1)x5.08 + 13.34 (WITH 4 BEAM CONTACT)
	3.18 (WITHOUT 4 BEAM CONTACT)



spec ref		-		dr	Wei-Long Zhang	2012/06/14	projection		MM		size	A2	scale	1:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Eric Jiang	2013/07/10					ecn no	-	rel level	Released	
ASME Y14.5				chr	-	-					product family				
				appr	Pei-Ming Zheng	2013/07/10									
surface 	linear	0.X	±0.5		title	VERT REC WITH ENHANCED WALLS HIGH POWER CARD EDGE - UNIVERSAL DRAWING					dwg no	10121505		rev	A
		0.XX	±0.25												
		0.XXX	±0.10												
ASME Y14.5	angular	0°	±2°	www.fci.com	cat. no.	Product - Customer Drw					sheet 4 of 4				

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