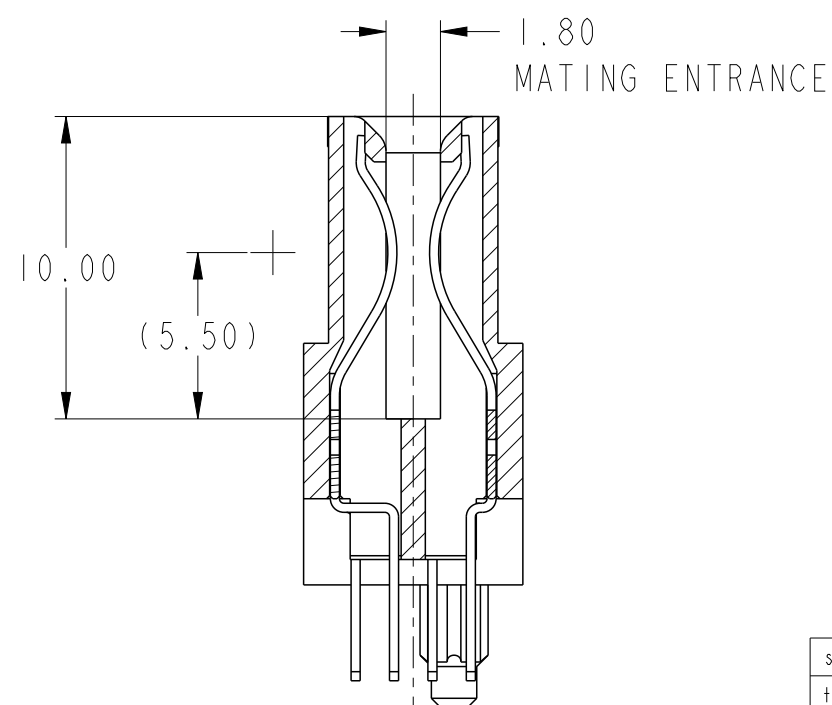


SECTION C-C
SCALE 4:1



SECTION D-D
SCALE 4:1

spec ref	-	dr	Eric Jiang	2013/05/15	projection	MM	size	A2	scale	4:1
tolerance std	ASME Y14.5	eng	Eric Jiang	2013/06/24	chr	-	ecn no	-	rel level	Released
surface	✓	appr	Pei-Ming Zheng	2013/06/24	product family	CARD EDGE	dwg no	10124028	rev	A
ASME Y14.5	linear	0.X	±0.5	0.XX	±0.25	0.XXX	±0.10	angular	0°	±2°
TOLERANCES UNLESS OTHERWISE SPECIFIED		www.fci.com		cat. no.		Product - Customer Drw		sheet 1 of 4		

PDS: Rev :A

STATUS:Released

Printed: Jun 24, 2013

1 2 3 4 5 6 7 8

A

B

C

D

E

F

A

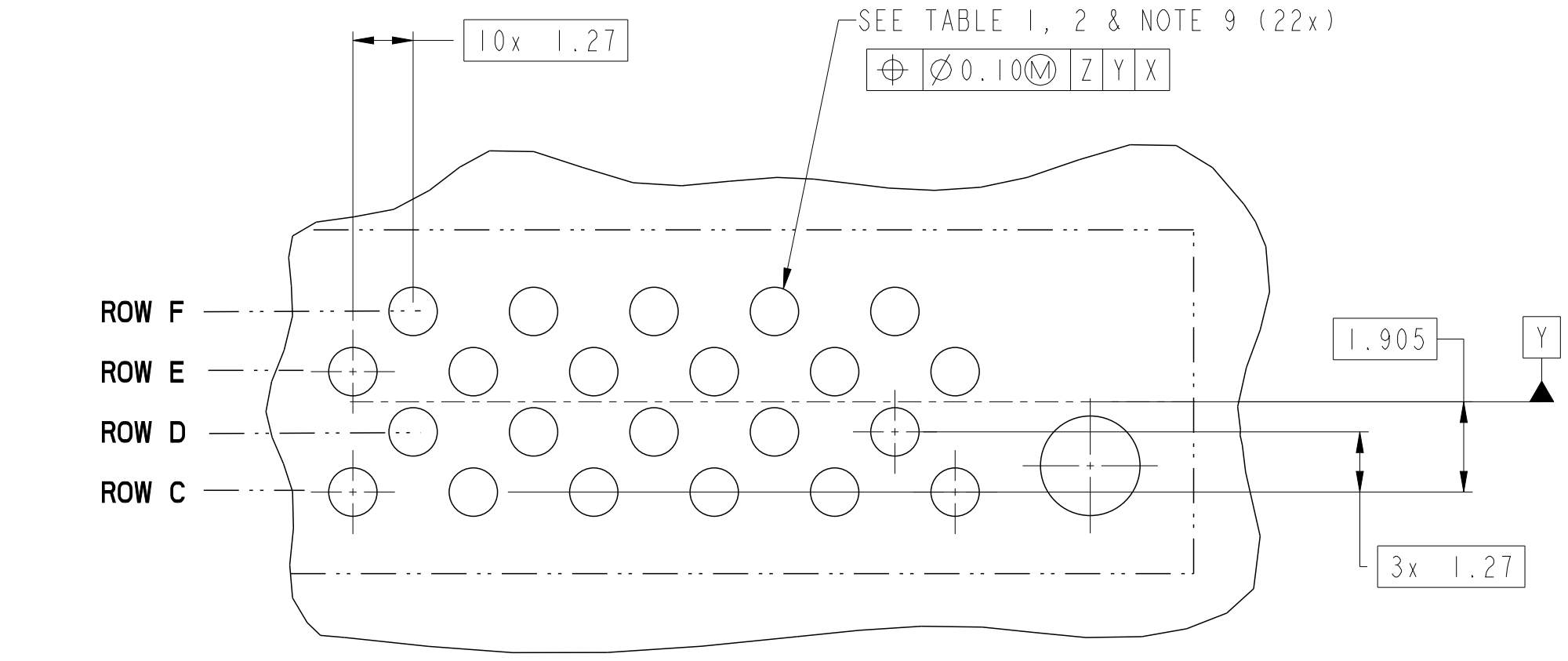
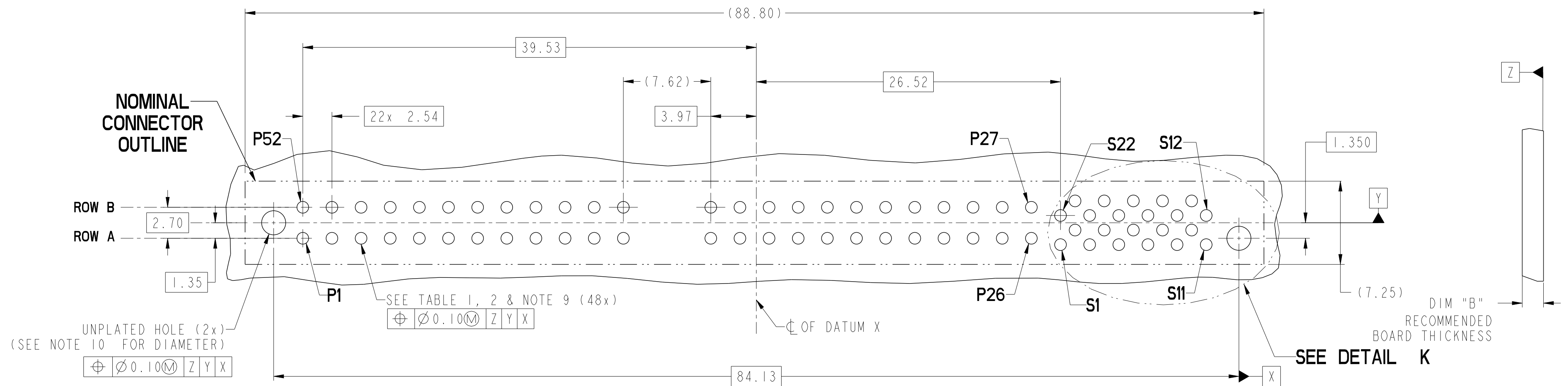
B

C

D

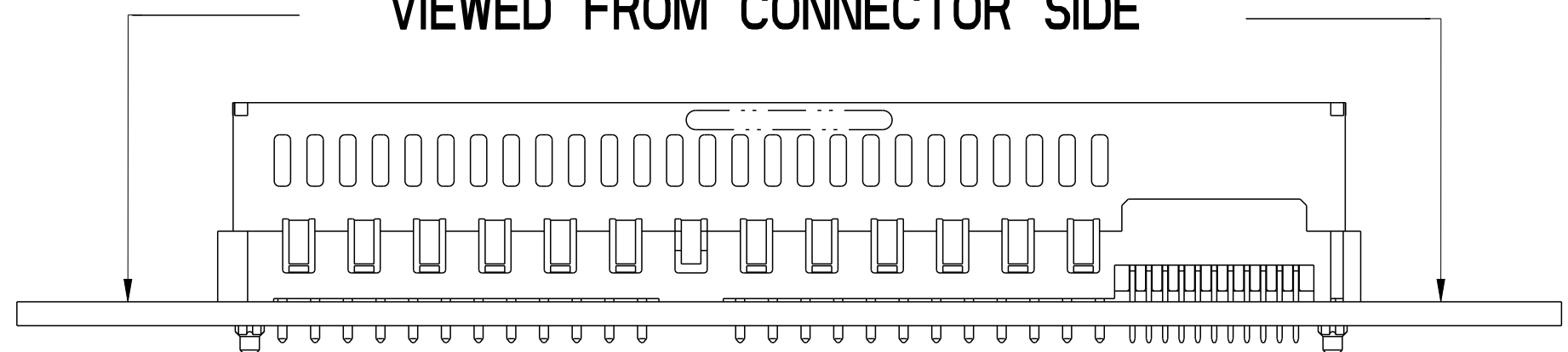
E

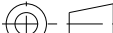


F



DETAIL K
SCALE 8:1

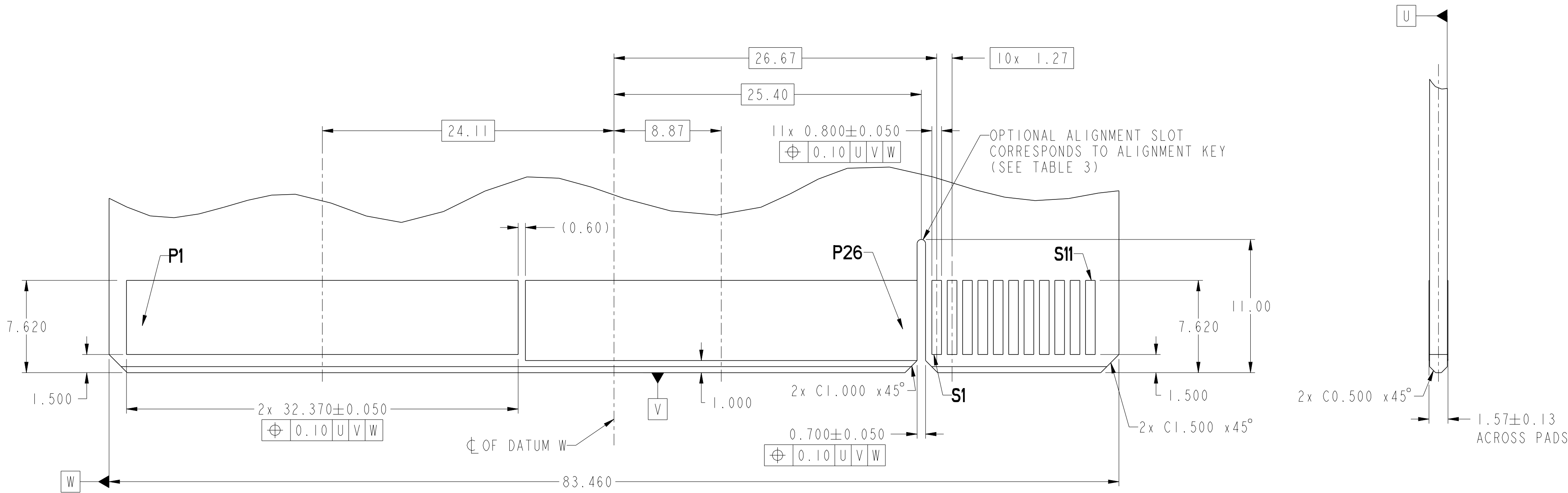
RECOMMENDED PCB LAYOUT VIEWED FROM CONNECTOR SIDE





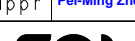
dr	Eric Jiang	2013/05/15	<div>projection</div> <div></div>	<div>MM</div> <div></div>	size	A2	scale	4:1
eng	Eric Jiang	2013/06/24			ecn no	-		
chr	-	-			product family		CARD EDGE	rel level
appr	Pei-Ming Zheng	2013/06/24						
	title	VERT RECT ASM (52P-22S)			dwg no	10124028		rev
		HIGH POWER CARD EDGE				A		
www.fci.com	cat. no.	-	Product - Customer Drw				sheet 2 of 4	

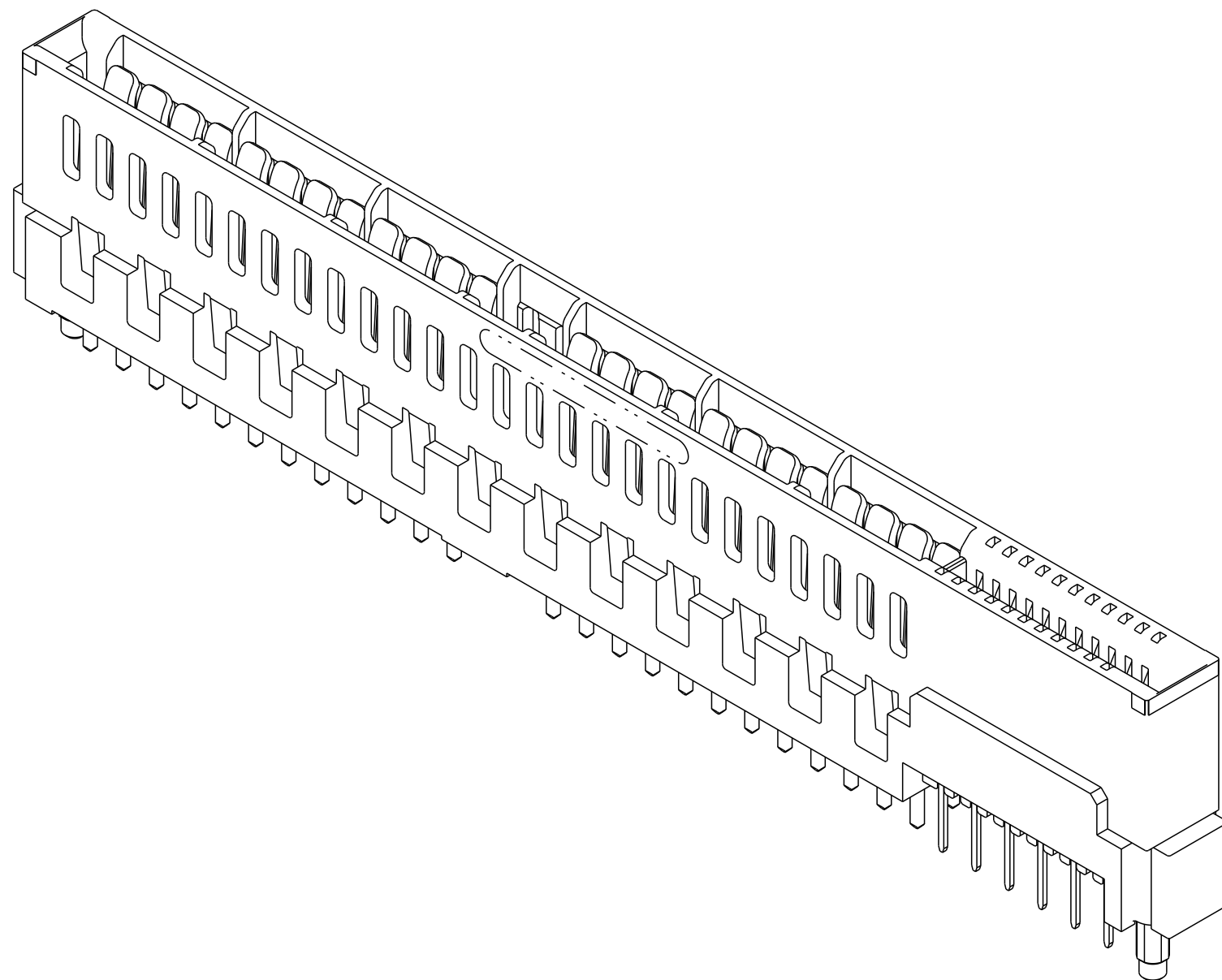
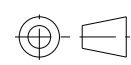

1		2		3		4		5		6		7		8	
CONTACT TYPE	TOP LAYER DESCRIPTION	TABLE 1 (HPCE / SOLDER TAILS) PLATED THROUGH-HOLE REQUIREMENTS													
		DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	TIN THICKNESS	FINISHED HOLE DIAMETER									
POWER & SIGNAL	TIN-LEAD	1.10-1.16 (1.15 DRILL)	0.025 - 0.050	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									

B	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	
			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
B	POWER & SIGNAL	COPPER (SEE NOTE 8)	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	--	--	0.70 - 0.80



REFERENCE
PANDEMONIUM POWER SUPPLY BOARD

dr	Eric Jiang	2013/05/15			size	A2	scale	4:1
eng	Eric Jiang	2013/06/24			ecn no	-		
chr	-	-			rel level	Released		
appr	Pei-Ming Zheng	2013/06/24	product family		CARD EDGE			
		title	VERT RECT ASM (52P-22S)		dwg no	10124028		rev
			HIGH POWER CARD EDGE					A
www.fci.com		cat. no.	-	Product - Customer Drw			sheet 3 of 4	

1	2	3	4	5	6	7	8	
HPCE PART NUMBER (TABLE 3)								
PART NUMBER	TAIL TYPE	ALIGNMENT KEY	DIM "A" TYPICAL TAIL LENGTH					DIM "B" RECOMMENDED BOARD THICKNESS
10124028-001LF	SOLDER	YES	3.17 ±0.25					1.59 - 2.38
10124028-002LF	SOLDER	NO						
10124028-003LF	PRESS-FIT	YES	3.17±0.25					1.57 MIN
10124028-004LF	PRESS-FIT	NO						
<div>NOTES:</div> <div>1. CONNECTOR MATERIALS:<div>HOUSING: HIGH TEMPERATURE THERMAL PLASTIC, BLACK UL 94V-0 COMPLIANT</div><div>CONTACTS: HIGH PERFORMANCE COPPER ALLOY.</div></div> <div>2. CONTACT FINISH REF. GS-12-604 SECTION 5.2.</div> <div>3. PRODUCT SPECIFICATION: GS-12-604.</div> <div>4. APPLICATION SPECIFICATION: GS-20-128.</div> <div>5. PRODUCT MARKING (FCI - PART NUMBER & DATE CODE) ON HOUSING IN AREA SHOWN.</div> <div>6. PACKAGING MEETS FCI SPECIFICATION GS-14-937.</div> <div>7. HOUSING COMPONENT WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 60 SECONDS IN A CONVECTION, INFRA-RED, OR VAPOR PHASE REFLOW OVEN.</div> <div>8. COPPER PLATING THICKNESS IN CENTER OF VIA-HOLE CAN BE NO MORE THAN 0.003 LESS THAN OTHER AREAS.</div> <div>9. ALL HOLE SIZES ARE FINISHED HOLE SIZES.</div> <div>10. MOUNTING HOLES ARE UNPLATED Ø 2.40 +/- 0.1 FOR PRESS-FIT TAILS Ø 2.18 +/- 0.03 FOR SOLDER TAILS</div>								
<div><div><div>drEric Jiang2013/05/15</div><div>engEric Jiang2013/06/24</div><div>chr-</div><div>apprPei-Ming Zheng2013/06/24</div></div><div><div>projection</div><div></div><div>MM</div><div>sizeA2</div><div>scale4:1</div></div><div><div>ecn no-</div><div>rel levelReleased</div></div></div> <div><div><div><div></div><div>www.fci.com</div></div><div><div>title</div><div>VERT RECT ASM (52P-22S) HIGH POWER CARD EDGE</div></div><div><div>cat. no.</div><div>-</div></div><div><div>product family</div><div>CARD EDGE</div></div><div><div>dwg no</div><div>10124028</div></div><div><div>rev</div><div>A</div></div></div><div><div>Product - Customer Drw</div><div>sheet 4 of 4</div></div></div>								
				PDS: Rev :A		STATUS:Released		
						Printed: Jun 24, 2013		