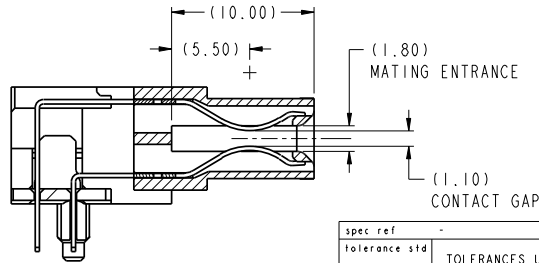


SECTION C-C



SECTION D-D

rev	ecn no	dr	date
A	-	HZ	2011-07-19
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

spec ref	-	dr	WL ZHANG	2011-07-21	projection	MM	size	A2	scale	4:1
tolerance std	ASME Y14.5	eng	WL ZHANG	2011-07-21	chr	JON QIN	ecn no	-	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		appr	PM ZHENG	2011-07-22	product family	HPCE	rel level	Released		
surface	linear	0.X	±0.3		R/A RECT (52P-22S) HIGH POWER CARD EDGE			10111743	rev A	
	0.XX	±0.10			www.fcicom	col. no.	Product - Customer Drw	sheet 1 of 4		
	0.XXX	±0.050								
	angular	0°	±2°							

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1 2 3 4 5 6 7 8

A

B

C

D

E

F

A

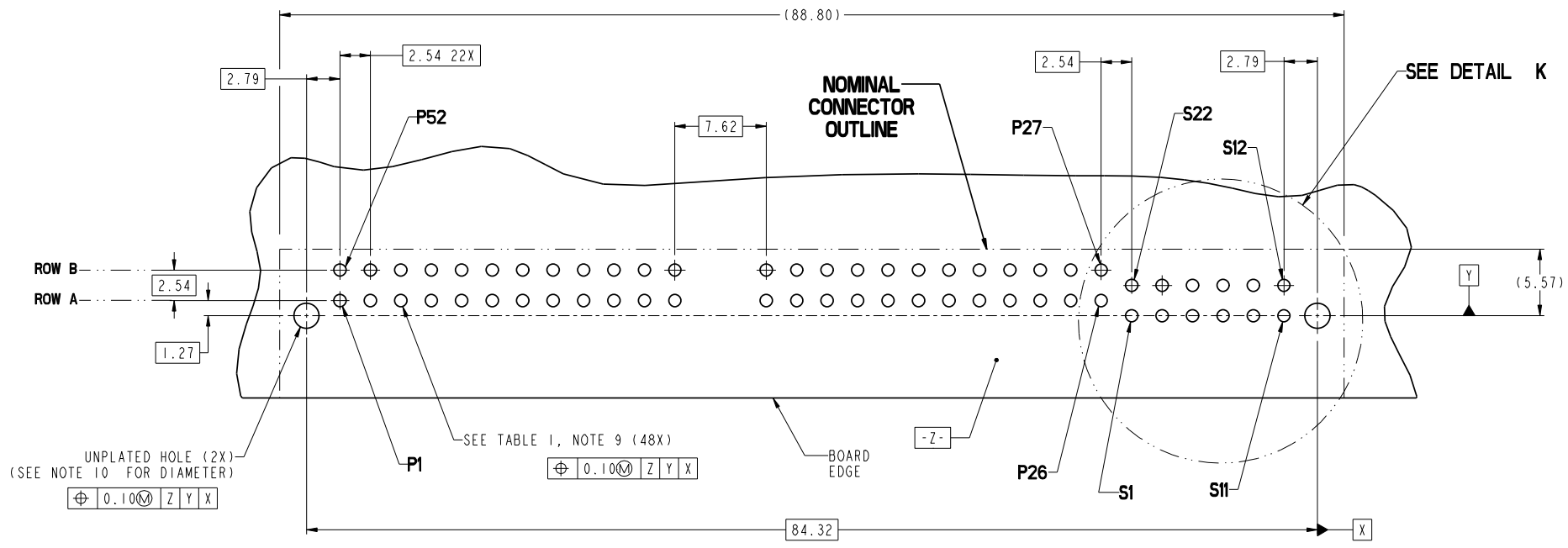
B

C

D

E

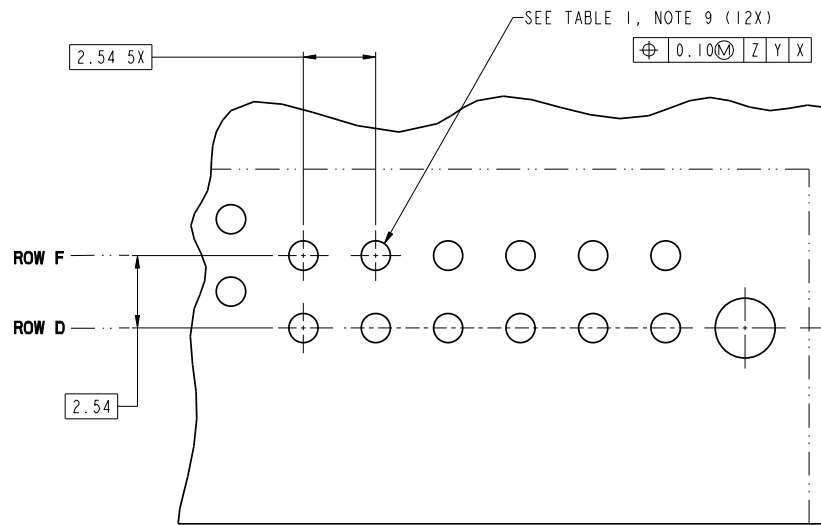
F



UNPLATED HOLE (2X)
(SEE NOTE 10 FOR DIAMETER)
 $\oplus 0.10\text{M}$ Z | Y | X

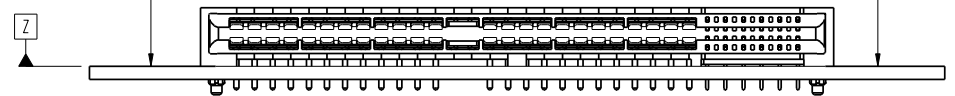
SEE TABLE 1, NOTE 9 (48X)
 $\oplus 0.10\text{M}$ Z | Y | X

SEE TABLE 1, NOTE 9 (12X)
 $\oplus 0.10\text{M}$ Z | Y | X



DETAIL K
SCALE 8:1

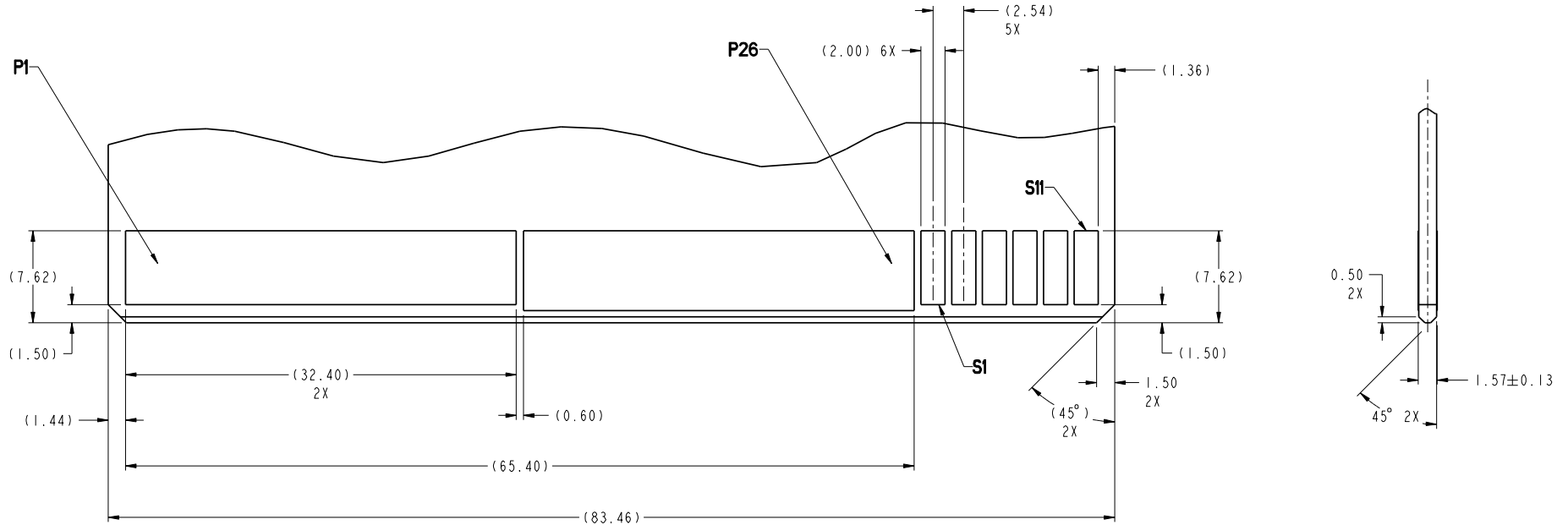
**RECOMMENDED PCB LAYOUT
VIEWED FROM CONNECTOR SIDE**



spec ref	-	dr	WL ZHANG	2011-07-21	projection	MM	size	A2	scale	4:1
tolerance std	ASME Y14.5	eng	WL ZHANG	2011-07-21	chr	JON QIN	2011-07-21	ocn no		
	TOLERANCES UNLESS OTHERWISE SPECIFIED	appr	PM ZHENG	2011-07-22	product family	HPCE	rel level	Released		
surface	linear	0.X	±0.3	0.XX	±0.10	0.XXX	±0.050	angular	0°	±2°
	ASME Y14.5									
				R/A RECT (52P-22S) HIGH POWER CARD EDGE		10111743		rev A		
		www.fcicom		col. no.		Product - Customer Drw		sheet 2 of 4		

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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

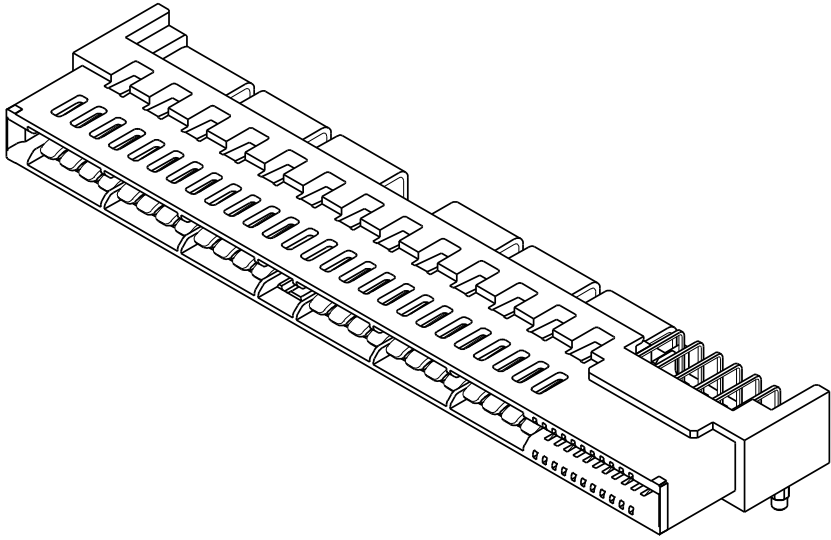


**REFERENCE
PANDEMONIUM POWER SUPPLY BOARD**

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spec ref	-	dr	WL ZHANG	2011-07-21	projection	MM	size	A2	scale	4:1							
tolerance std	-	eng	WL ZHANG	2011-07-21			sctn no HPCE	rel level Released									
ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED	chr	JON QIN	2011-07-21													
		appr	PM ZHENG	2011-07-22	product family	HPCE											
surface	<table border="1"> <tr> <td>linear</td> <td>0.X</td> <td>±0.3</td> </tr> <tr> <td></td> <td>0.XX</td> <td>±0.10</td> </tr> <tr> <td></td> <td>0.XXX</td> <td>±0.050</td> </tr> <tr> <td>angular</td> <td>0°</td> <td>±2°</td> </tr> </table>	linear	0.X	±0.3		0.XX	±0.10		0.XXX	±0.050	angular	0°	±2°		TITLE R/A RECT (52P-22S) HIGH POWER CARD EDGE	dwg no 10111743	rev A
linear	0.X	±0.3															
	0.XX	±0.10															
	0.XXX	±0.050															
angular	0°	±2°															
ASME Y14.5		www.fcicom	cat. no.		Product - Customer Drw	sheet 3 of 4											

HPCE PART NUMBER (TABLE 2)					
PART NUMBER	TAIL TYPE	HOLD-DOWN OPTION	ORIENTATION KEY	DIM "A" TAIL LENGTH ±0.25	DIM "B" MATING LENGTH
10111743-008LF	SOLDER TAIL	YES	NO	3.35	(4.58)
10111743-009LF	SOLDER TAIL	YES	NO	3.25	(3.88)



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 NUMBNER & 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
 ∅ 2.10 +/- 0.1 FOR SOLDER TAILS

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spec ref	-	dr	WL ZHANG	2011-07-21	projection	MM	size	A2	scale	4:1	
tolerance std	-	eng	WL ZHANG	2011-07-21			ecn no	HPCE	rel level	Released	
ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED	chr	JON QIN	2011-07-21							product family
surface	✓	appr	PM ZHENG	2011-07-22			R/A RECT (52P-22S)		10111743	rev A	
ASME Y14.5	linear	0.x	±0.3	0.xx	±0.10	0.xxx	±0.050	angular	0°	±2°	www.fcicom cat. no. - Product - Customer Drw sheet 4 of 4