

1 2 3 4 5 6 7 8

A

B

C

D

E

F

A

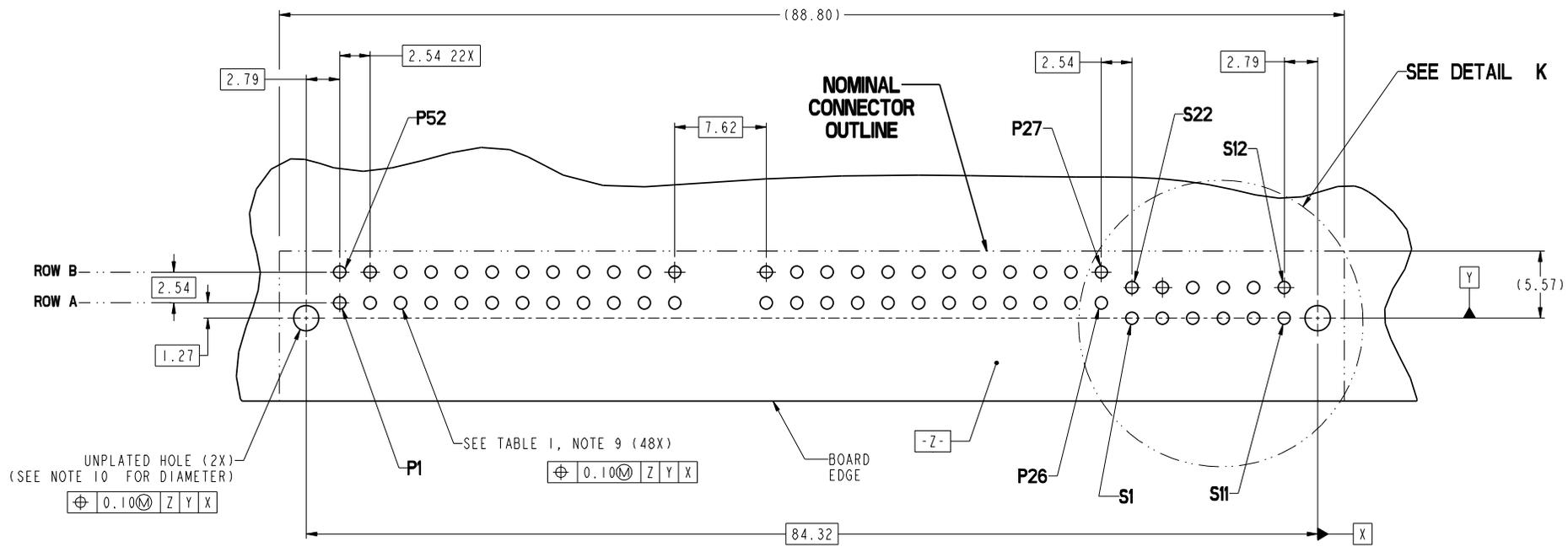
B

C

D

E

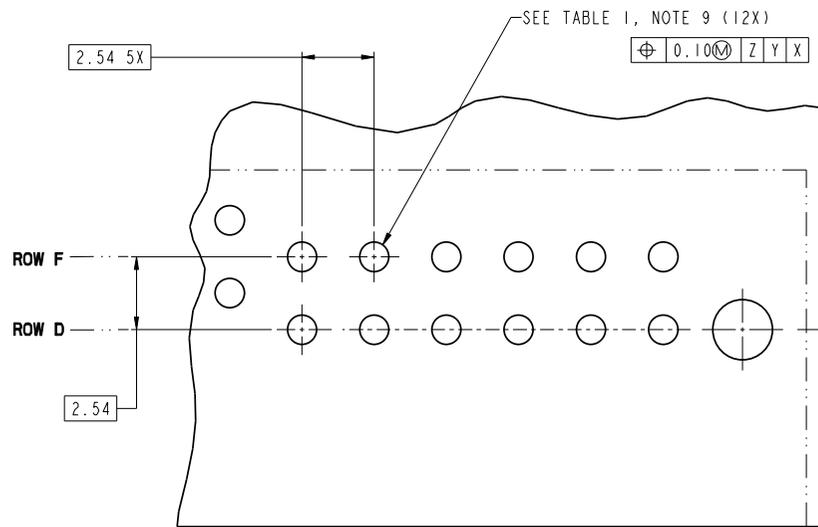
F



UNPLATED HOLE (2X)
(SEE NOTE 10 FOR DIAMETER)
 ± 0.10 Z | Y | X

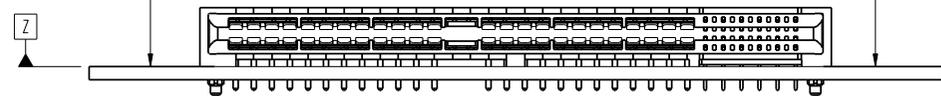
SEE TABLE 1, NOTE 9 (48X)
 ± 0.10 Z | Y | X

SEE TABLE 1, NOTE 9 (12X)
 ± 0.10 Z | Y | X



DETAIL K
SCALE 8:1

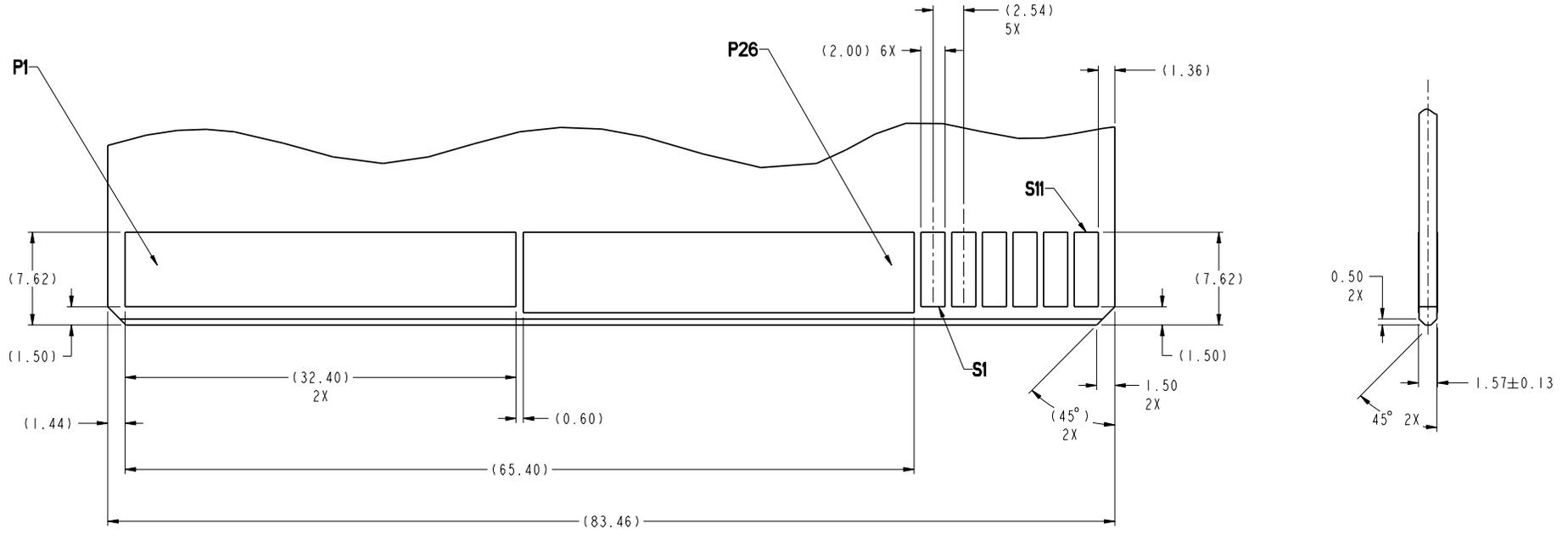
RECOMMENDED PCB LAYOUT
VIEWED FROM CONNECTOR SIDE



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		R/A RECT (52P-22S) HIGH POWER CARD EDGE		dng no 10111743	rev A		
		0.XX	±0.10		www.fcicom	col. no.	Product - Customer Drw	sheet 2 of 4		
	angular	0°	±2°							

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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

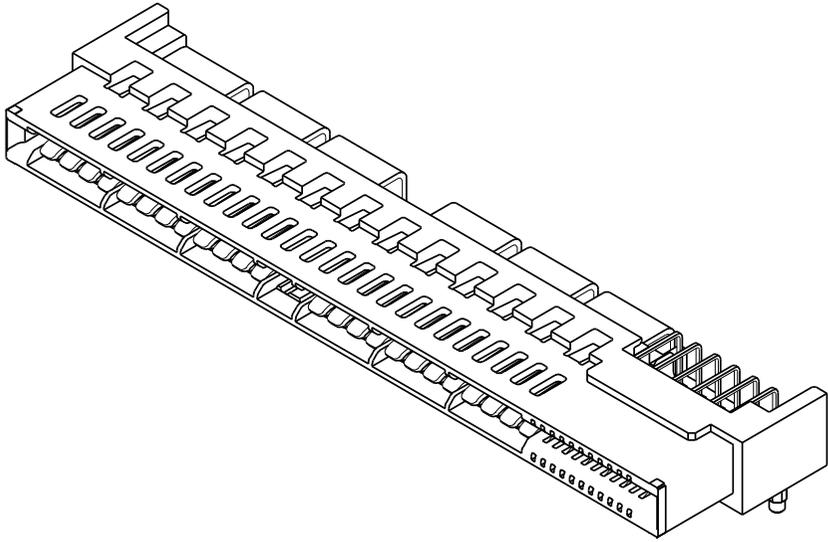


**REFERENCE
PANDEMONIUM POWER SUPPLY BOARD**

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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			HPCE rel level	Released	10111743	rev A												
ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED	chr	JON QIN	2011-07-21																		
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°	appr	PM ZHENG	2011-07-22	product family	HPCE	cat. no.	-	Product - Customer Drw	sheet 3 of 4
linear	0.X	±0.3																				
	0.XX	±0.10																				
	0.XXX	±0.050																				
angular	0°	±2°																				

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			ecm no			
ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED	chr	JON QIN	2011-07-21			product family	HPCE	rel level	Released
surface	✓	appr	PM ZHENG	2011-07-22			title	R/A RECT (52P-22S)	dwg no	10111743
ASME Y14.5	linear	0.x	±0.3				description	HIGH POWER CARD EDGE	rev	A
	angular	0°	±2°				cat. no.		Product - Customer Drw	sheet 4 of 4