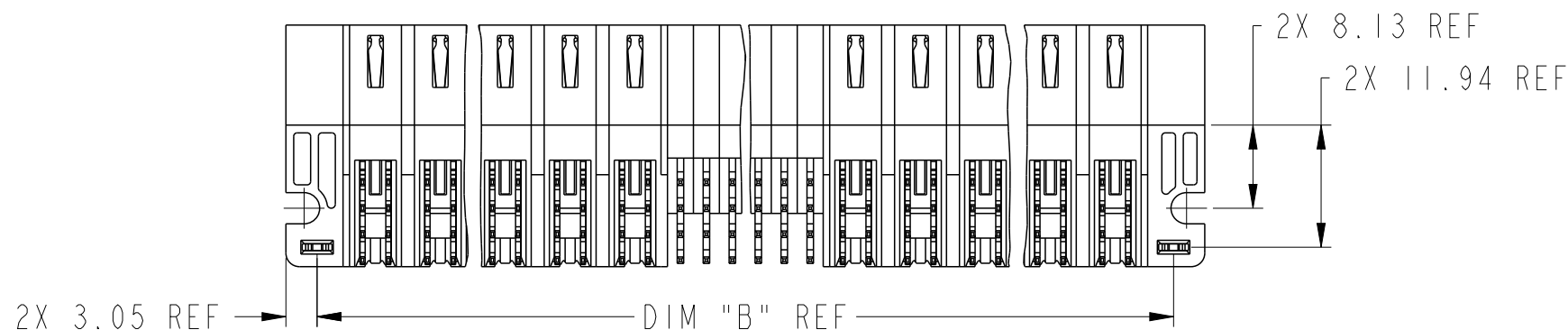
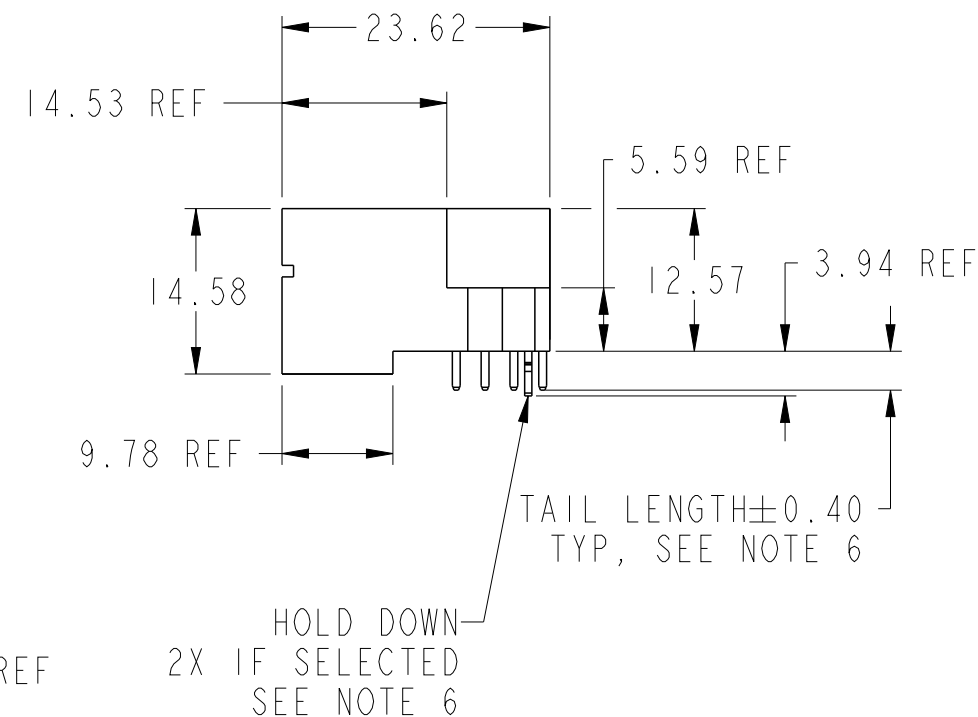
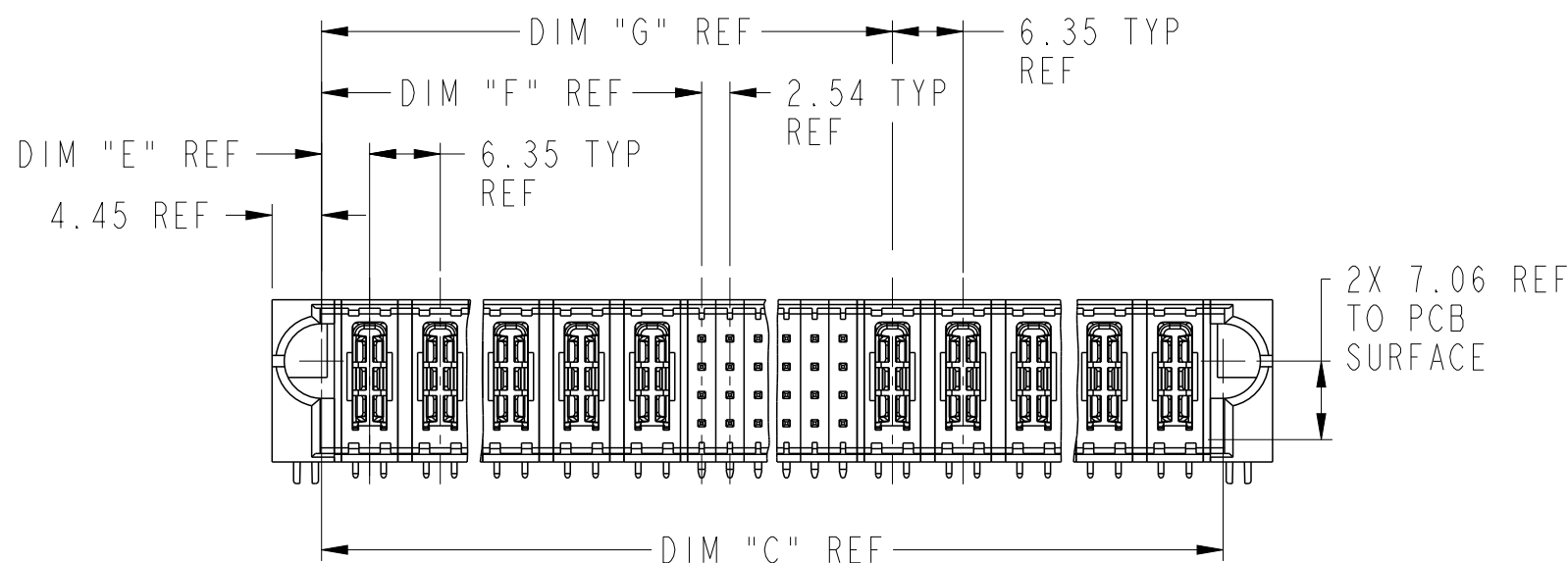
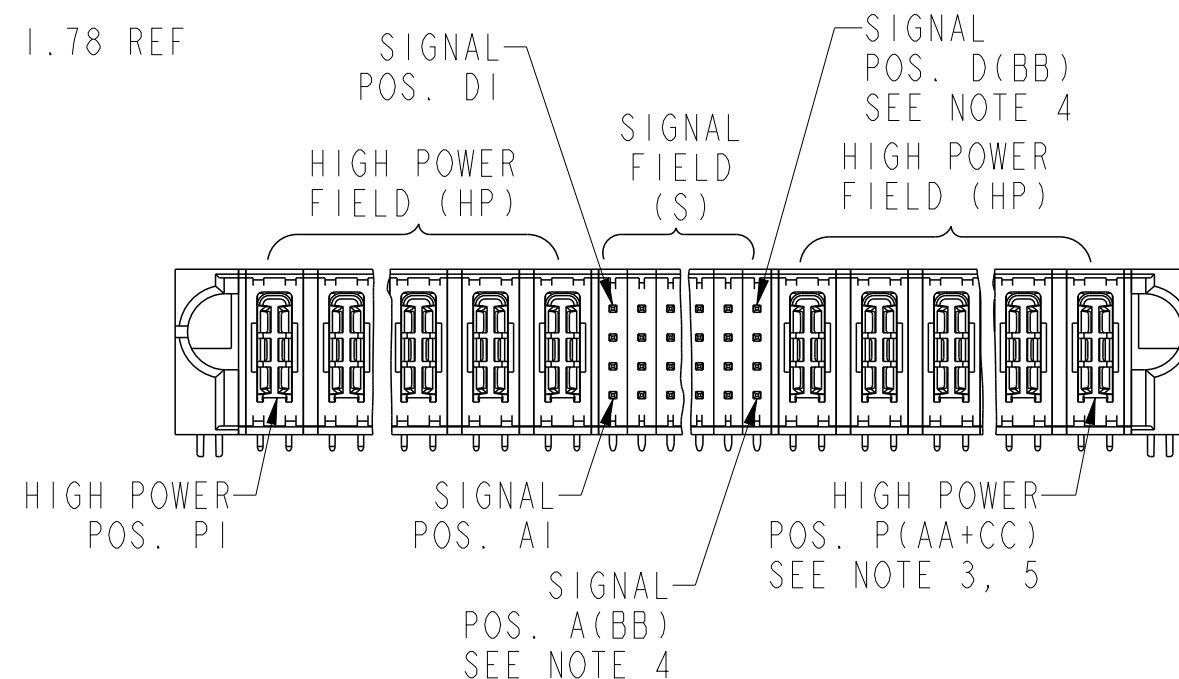
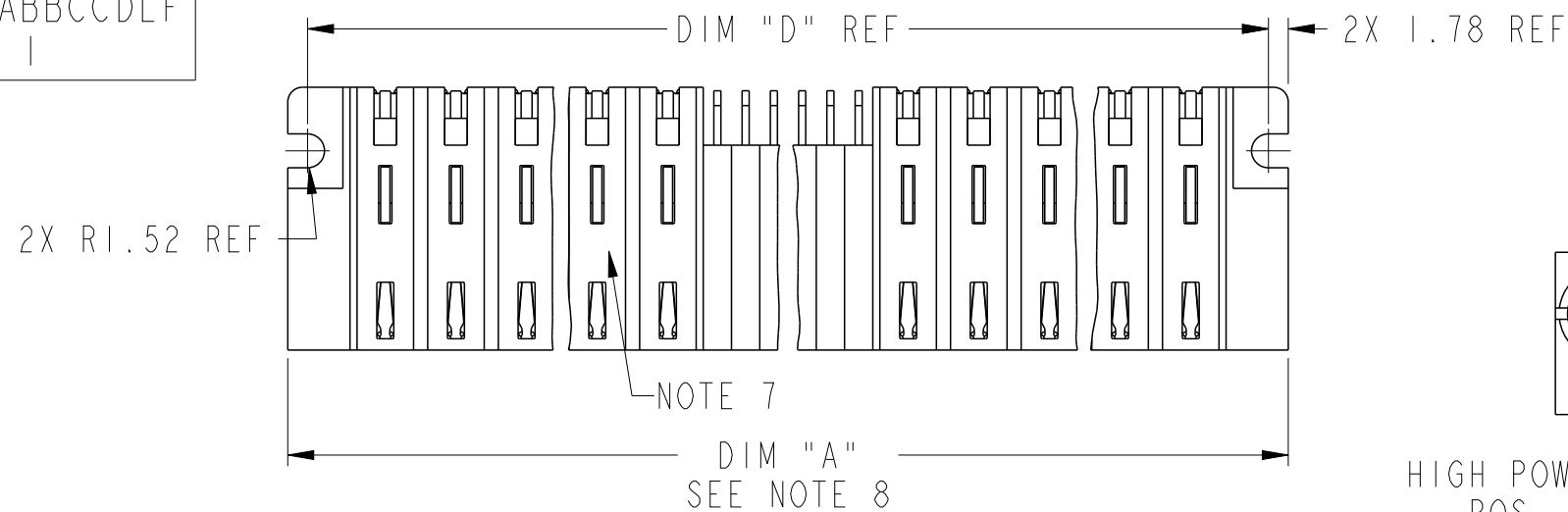


PRODUCT NUMBER
10121750-AABBCCDLF
NOTE 1



spec ref	*	dr	Peng-Bing Fu	2012/09/12	projection	MM	size	A3	scale	3:2
tolerance std	ASME Y14.5	eng	Helen Zhang	2013/05/21	chr	Shao-Qi Kuang	2013/05/21	ecn no	-	
surface	✓	appr	Pei-Ming Zheng	2013/05/21	product family	PwrBlade+	rel level	Released		
linear	0.X	±0.5	FCI	POWER / SIGNAL / POWER	dwg no	10121750	rev	A		
linear	0.XX	±0.25	www.fci.com	RA HEADER WITH HALF GUIDE PIN	cat. no.	Product - Customer Drw	sheet 1 of 3			
angular	0°	±2°								

PRODUCT NUMBER
10121750-AABBCCDLF
NOTE 1

CONNECTOR NOTES:

①. 10121750 - AA BB CC D LF

ALWAYS "LF" WHICH MEANS WITH LEADFREE
TAIL OPTIONS (NOTE 6)
NUMBER OF RIGHT END HIGH POWER CONTACTS (NOTE 5)
NUMBER OF SIGNAL COLUMNS (NOTE 4)
NUMBER OF LEFT END HIGH POWER CONTACTS (NOTE 3)
BASE NUMBER

2. MATERIAL:

- HOUSING - GLASS FILLED WITH HIGH TEMP THERMOPLASTIC, UL94V-0.
- SIGNAL CONTACT - COPPER ALLOY.
- POWER CONTACT - HIGH CONDUCTIVITY COPPER ALLOY.

③. LEFT END HIGH POWER CONTACTS, 00 TO 28 AVAILABLE.
MAXIMUM OF 28 HIGH POWER CONTACTS PER CONNECTOR.

④. SIGNAL CONTACTS, 00 TO 37 COLUMNS AVAILABLE.

⑤. RIGHT END HIGH POWER CONTACTS, 00 TO 28 AVAILABLE.
MAXIMUM OF 28 HIGH POWER CONTACTS PER CONNECTOR.

⑥. TAIL OPTIONS:
1: 3.43 SOLDER TO BOARD WITH HOLD DOWN
2: 3.43 SOLDER TO BOARD WITHOUT HOLD DOWN
3: 3.05 PRESS FIT TO BOARD WITH HOLD DOWN
4: 3.05 PRESS FIT TO BOARD WITHOUT HOLD DOWN
5: 4.19 SOLDER TO BOARD WITH HOLD DOWN
6: 4.19 SOLDER TO BOARD WITHOUT HOLD DOWN
7: 4.19 PRESS FIT TO BOARD WITH HOLD DOWN
8: 4.19 PRESS FIT TO BOARD WITHOUT HOLD DOWN

⑦. "FCI", PART NUMBER AND DATE CODE TO BE MARKED ON THIS SURFACE.
THE MARK CAN BE OMITTED IF THERE IS NOT ENOUGH SPACE ON THIS SURFACE.

⑧. THE MAXIMUM OVERALL LENGTH (DIM A) OF A PART IS 203MM.

9. PLATING SPECIFICATION REFER TO FCI 10116351.

ITEM	CONFIGURATIONS	DIM	LENGTH FORMULAS (SEE NOTE 8)
1	HP + S + HP	DIM "A"	6.35 x AA + 2.54 x BB + 6.35 x CC + 11.18 (NOTE 8)
2	HP + S	DIM "B"	DIM "A" - 6.1
3	S + HP	DIM "C"	DIM "A" - 8.89
4	S	DIM "D"	DIM "A" - 3.56
5	HP	DIM "E"	4.32(EXCLUDE ITEM 3 & 4)
		DIM "F"	6.35 x AA + 2.41(EXCLUDE ITEM 5)
		DIM "G"	6.35 x AA + 2.54 x BB + 4.32(EXCLUDE ITEM 2 & 4 & 5)
		DIM "H"	DIM "A" + 0.76
		DIM "J"	5.72(EXCLUDE ITEM 3 & 4)
		DIM "K"	6.35 x AA + 5.08(EXCLUDE ITEM 5)
		DIM "L"	6.35 x AA + 2.54 x BB + 5.72(EXCLUDE ITEM 2 & 4 & 5)

10. PRODUCT SPECIFICATION REFER TO FCI GS-12-658.
APPLICATION SPECIFICATION REFER TO FCI GS-20-141.
PRODUCT PACKAGED IN TRAYS, REFER TO FCI GS-14-1502.

PCB NOTES:

11. ALL DIMENSIONS ARE BASIC UNLESS OTHERWISE SPECIFIED.

⑫. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZES.

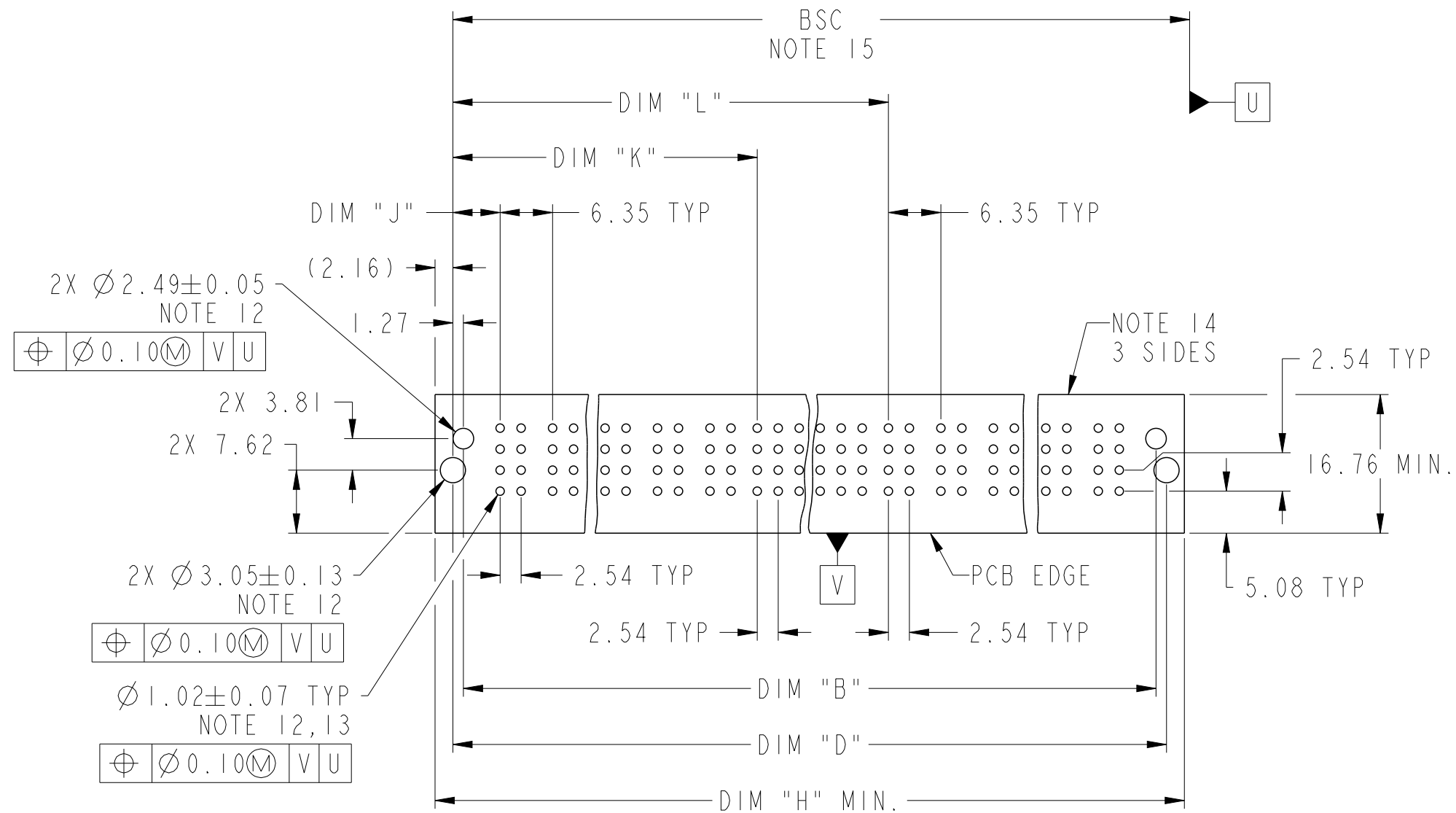
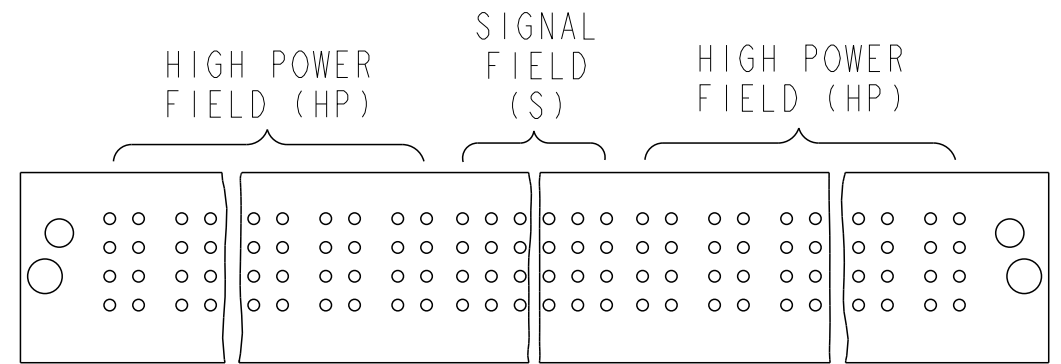
⑬. 1.15±0.025MM DRILLED HOLE PLATED WITH 0.00762MM MIN Sn
OVER 0.0254-0.0762MM Cu PLATING TO ACHIEVE A 1.02±0.07MM HOLE.

⑭. DENOTES CONNECTOR KEEP OUT ZONE.

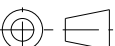
⑮. DATUM AND BASIC DIMENIONS WERE ESTABLISHED BY CUSTOMER.

dr	Peng-Bing Fu	2012/09/12	projection	MM	size	A3	scale	3:2
eng	Helen Zhang	2013/05/21			ecn no	-		
chr	Shao-Qi Kuang	2013/05/21			rel level			Released
appr	Pei-Ming Zheng	2013/05/21	product family			PwrBlade+		
FCI		title			POWER / SIGNAL / POWER			rev
		RA HEADER WITH HALF GUIDE PIN			dwg no			10121750
								A
www.fci.com		cat. no.		Product - Customer Drw			sheet 2 of 3	

PRODUCT NUMBER
10121750-AABBCCDLF
NOTE 1



RECOMMENDED PCB LAYOUT

dr	Peng-Bing Fu	2012/09/12	projection 	MM 	size	A3	scale	3:2	
eng	Helen Zhang	2013/05/21			ecn no	-			
chr	Shao-Qi Kuang	2013/05/21							
appr	Pei-Ming Zheng	2013/05/21	product family		PwrBlade+		rel level	Released	
	title	POWER / SIGNAL / POWER			dwg no	10121750		rev	
		RA HEADER WITH HALF GUIDE PIN							
www.fci.com		cat. no.		Product - Customer Drw			sheet 3 of 3		