

Excellent Integrated System Limited

Stocking Distributor

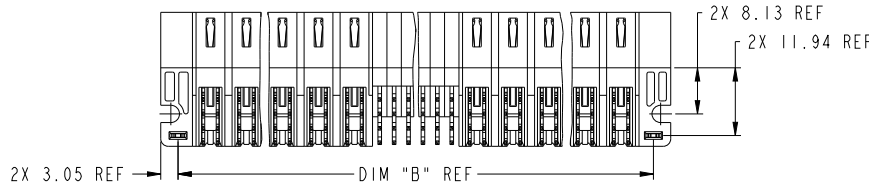
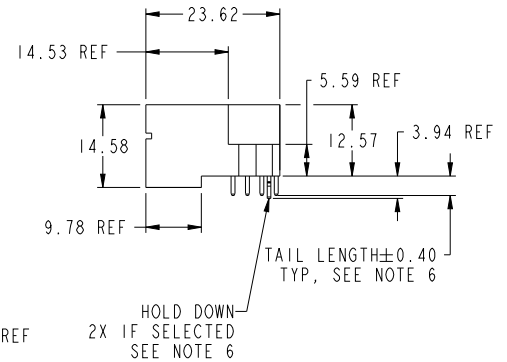
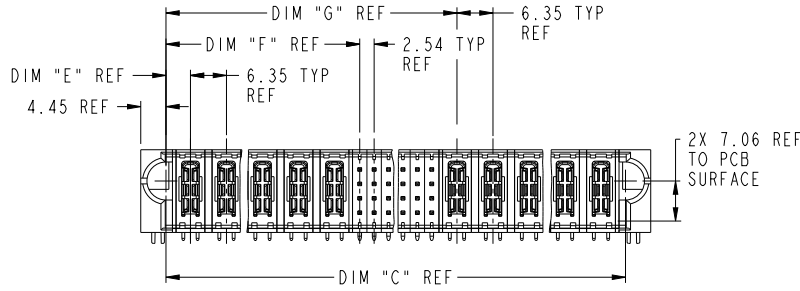
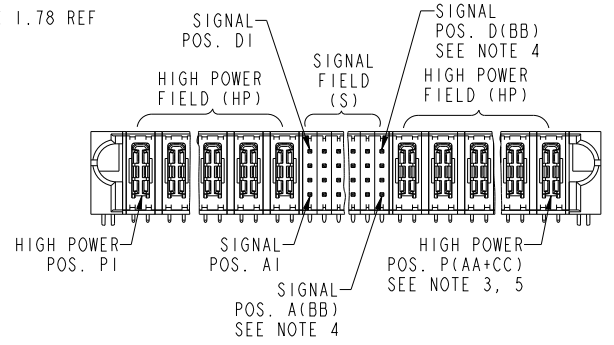
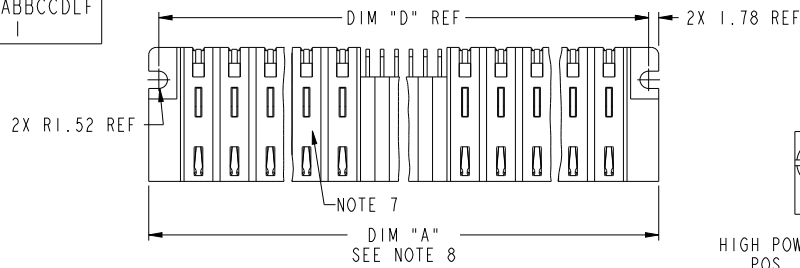
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[FCI](#)
[10121750-0802081LF](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

PRODUCT NUMBER
10121750-AABBCCDLF
NOTE 1



spec ref	*	dr	Peng-Bing Fu	20120812	projection	MM	size	A3	scale	3:2
tolerance std	ASME Y14.5	eng	Helen Zhang	20130501	chr	Shao-Qi Huang	20130501	ecn no		
		chr	Shao-Qi Huang	20130501	appr	Pai-Ming Zhang	20130501	product family	PwrBlade+	rel level
		appr	Pai-Ming Zhang	20130501						Released
surface	linear	0.X	±0.5		FCI	POWER / SIGNAL / POWER	dwg no	10121750	rev	A
		0.XX	±0.25		www.fci.com	RA HEADER WITH HALF GUIDE PIN				
		0.XXX	±0.10							
ASME Y14.5	angular	0°	±2°							

Print Date - REV C - 2010-04-10

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PDS: Rev A

STATUS: Released

Printed: May 22, 2013

D

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B

A



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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"	$6.35 \times AA + 2.54 \times BB + 6.35 \times CC + 11.18$ (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"	$6.35 \times AA + 2.41$ (EXCLUDE ITEM 5)
		DIM "G"	$6.35 \times AA + 2.54 \times BB + 4.32$ (EXCLUDE ITEM 2 & 4 & 5)
		DIM "H"	$DIM "A" + 0.76$
		DIM "J"	5.72 (EXCLUDE ITEM 3 & 4)
		DIM "K"	$6.35 \times AA + 5.08$ (EXCLUDE ITEM 5)
		DIM "L"	$6.35 \times AA + 2.54 \times BB + 5.72$ (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 ± 0.025 MM DRILLED HOLE PLATED WITH 0.00762 MM MIN Sn
OVER 0.0254 - 0.0762 MM Cu PLATING TO ACHIEVE A 1.02 ± 0.07 MM HOLE.

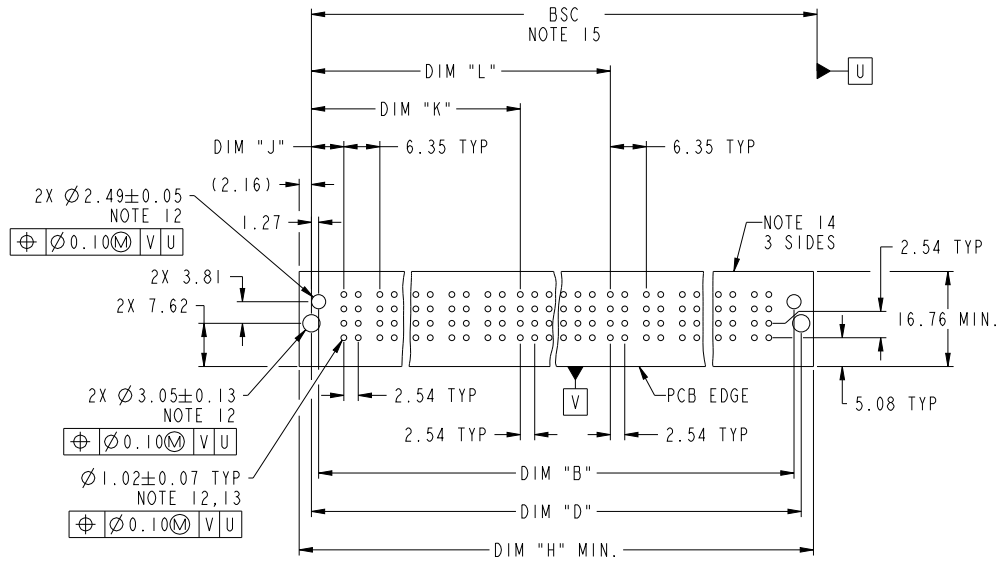
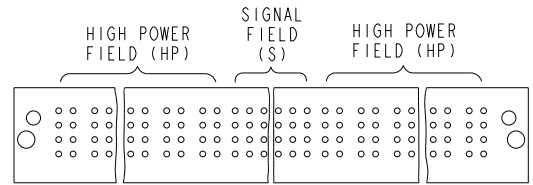
⑭ DENOTES CONNECTOR KEEP OUT ZONE.

⑮ DATUM AND BASIC DIMENSIONS WERE ESTABLISHED BY CUSTOMER.

dr	Peng-Bing Fu	20120802	projection	MM	size	A3	scale	3:2		
eng	Helen Zhang	20130502			ecn no	-	rel level	Released		
chr	Shao-Qi Huang	20130502			product family	PwrBlade+				
appr	Pai-Ming Zhang	20130502			cat. no.	10121750				
www.fci.com			POWER / SIGNAL / POWER RA HEADER WITH HALF GUIDE PIN			rev	A			
cat. no.			Product - Customer Drw			sheet 2 of 3				

PRODUCT NUMBER

10121750-AABBCCDLF
NOTE 1



RECOMMENDED PCB LAYOUT

dr	Peng-Bing Fu	20120802	projection	MM	size	A3	scale	3:2
eng	Helen Zhang	20130502			ecn no			
chr	Shao-Qi Huang	20130502			rel level			
appr	Pai-Ming Zhang	20130502	product family	PwrBlade+				
www.fci.com			POWER / SIGNAL / POWER		10121750		rev	
cat. no.			RA HEADER WITH HALF GUIDE PIN		A		sheet 3 of 3	

Prod File - REV C - 2009-04-09

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