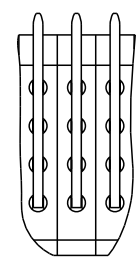
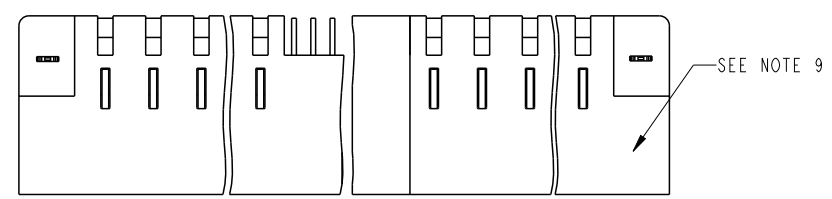
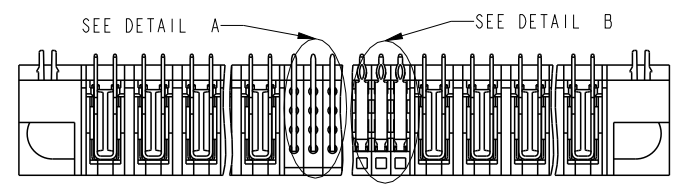


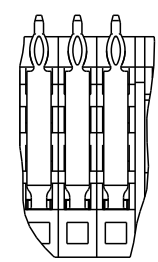


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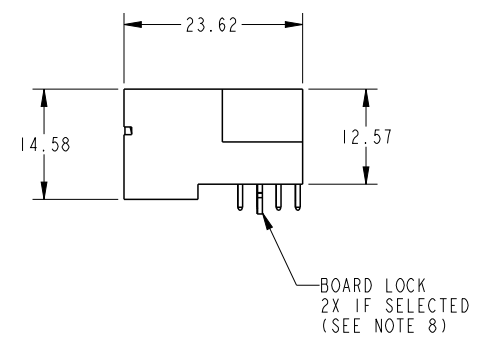
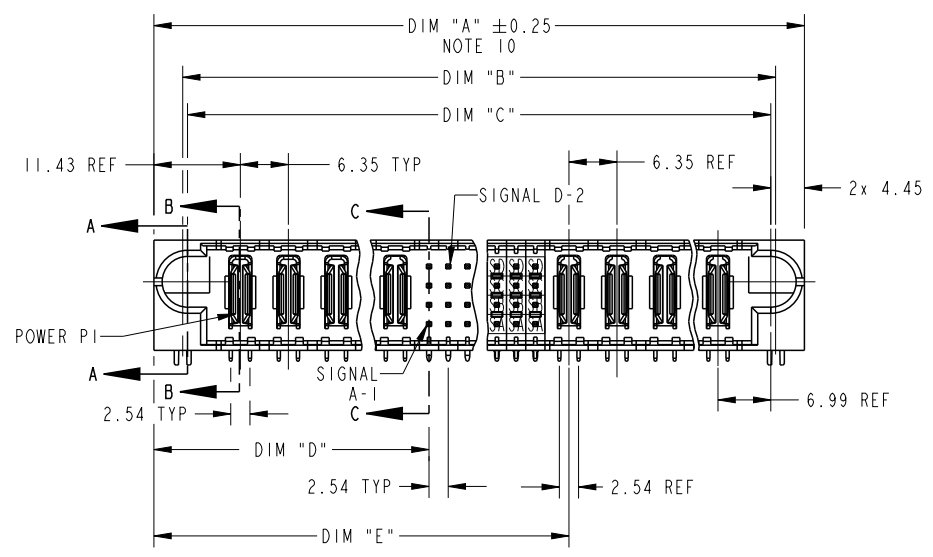
PRODUCT NUMBER
51720C- ABBCCCDDEF--
NOTE ①

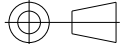


△ DETAIL A
SCALE 2:1
FOR SIGNAL SOLDER TO BOARD ONLY



△ DETAIL B
SCALE 2:1
FOR SIGNAL PRESS FIT ONLY



spec ref *				dr		wcadmin	2006/11/08	projection		MM		size	A4	scale	1:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Jackie Huang	2013/06/27					ecn no	ELX-DG-13802-1		
				chr		-	-					rel level		Released	
				appr		Pei-Ming Zheng	2013/06/30	product family		PwrBlade					
surface 	linear	0.X	±0.50		title	RIGHT ANGLE HEADER w/GUIDE POWER / SIGNAL / POWER					dwg no	51720		rev	R
		0.XX	±0.25												
		0.XXX	±0.10												
	angular	0°	±2°	www.fci.com	cat. no.	51720	Product - Customer Drw					sheet 1 of 3			

PrintE File - REV C - 2009-06-09



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1		2		3		4	
PRODUCT NUMBER		DIM		LENGTH FORMULAS (SEE NOTE 10)			
51720- ABBCCDDEF-- NOTE 1		DIM "A"		$6.35 \times BB + 2.54 \times (CCC/4) + 6.35 \times DD + 16.51$ (NOTE 10)			
		DIM "B"		$6.35 \times BB + 2.54 \times (CCC/4) + 6.35 \times DD + 8.89$			
		DIM "C"		$6.35 \times BB + 2.54 \times (CCC/4) + 6.35 \times DD + 7.62$			
		DIM "D"		$6.35 \times BB + 9.53$			
		DIM "E"		$6.35 \times BB + 2.54 \times (CCC/4) + 11.43$			
		DIM "F"		$6.35 \times BB + 2.54 \times (CCC/4) + 6.35 \times DD + 17.27$			
		DIM "G"		$6.35 \times BB + 5.72$			
		DIM "H"		$6.35 \times BB + 2.54 \times (CCC/4) + 6.35$			

CONNECTOR NOTES

1. PRODUCT NUMBER CODE:
51720 - A BB CCC DD E F LF

NO THIS SUFFIX: 100u"/2.54um SnPb ON PCB INTERFACE
ADD THIS SUFFIX: 78u"/2.00um Sn OR 5u" Au ON PCB INTERFACE
RETENTION TO PCB (NOTE 8)
TAIL OPTIONS (NOTE 7)
NUMBER OF RIGHT END POWER CONTACTS (NOTE 6)
NUMBER OF SIGNAL CONTACTS (NOTE 5)
NUMBER OF LEFT END POWER CONTACTS (NOTE 4)
PLATING (NOTE 3)
BASE NUMBER

2. HOUSING MATERIAL: GLASS FILLED V-O HIGH TEMP THERMO PLASTIC.
SIGNAL CONTACT MATERIAL: COPPER ALLOY
POWER CONTACT MATERIAL: COPPER ALLOY

3. PLATING OPTION:
1: SEE ITEM PRINT 10064183 FOR PLATING SPEC OF 51720-ABBCCDDEF; 51720-ABBCCDDEFLF

4. LEFT END POWER CONTACTS, 01 TO 20 AVAILABLE.
MAXIMUM OF 20 POWER CONTACTS PER CONNECTOR.

5. SIGNAL CONTACTS, 004 TO 148 AVAILABLE.

6. RIGHT END POWER CONTACTS, 01 TO 20 AVAILABLE.
MAXIMUM OF 20 POWER CONTACTS PER CONNECTOR.

7. TAIL OPTIONS:
A = 3.43 SOLDER TO BOARD
C = 3.43 PRESS FIT

8. RETENTION TO PCB OPTIONS:
A = BOARD LOCK (2.49 +0.05, -0.03 THRU HOLE IN PCB).
MOUNTING FOOT THICKNESS: 5.59
B = 3.81 THRU HOLE (REQUIRES 4.01±08 THRU HOLE IN PCB).
MOUNTING FOOT THICKNESS: 4.06

9. MANUFACTURE'S NAME, P/N, AND DATE CODE
TO APPEAR ON THIS SURFACE.

10. THE MAXIMUM OVERALL LENGTH (DIM A) OF A PART
IS 203.2

R 11. PRODUCT SPECIFICATION GS-12-149
APPLICATION SPECIFICATION BUS-20-067

12. REFERENCE 51697 FOR SPECIALS WORKSHEET.

PCB NOTES:

13. ALL DIMENSIONS ARE BASIC UNLESS OTHERWISE SPECIFIED.

14. ALL THROUGH HOLES ARE LOCATED WITH A
TRUE POSITION OF 0.10

15. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.

16. Ø1.151 ±0.02 DRILLED HOLES PLATED WITH
0.007 MIN SnPb or Sn OVER 0.03 TO 0.08
PLATING TO ACHIEVE A 1.02±0.07 HOLE.

17. A SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE
WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

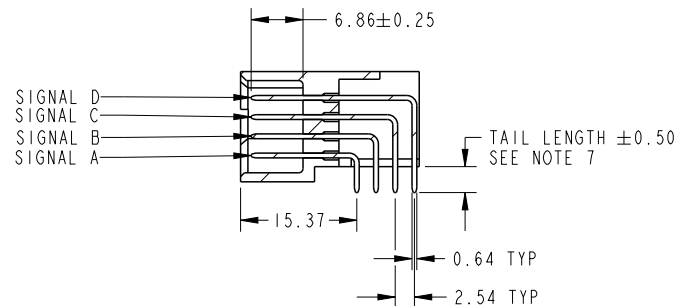
A 18. CONNECTOR KEEP OUT ZONE.

dr	wcadmin	2006/11/08	projection 	MM 	size	A4	scale	1:1
eng	Jackie Huang	2013/06/27			ecn no	ELX-DG-13802-1		
chr	-	-			rel level	Released		
appr	Pei-Ming Zheng	2013/06/30	product family		PwrBlade			
FCI		title			RIGHT ANGLE HEADER w/GUIDE		rev	
					POWER / SIGNAL / POWER		R	
www.fci.com		cat. no.	51720	Product - Customer Drw			sheet 2 of 3	

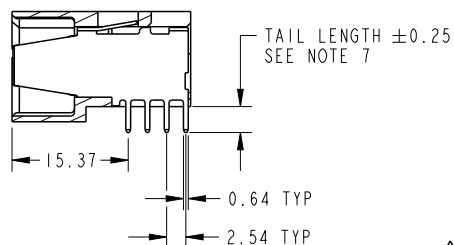
PrintE File - REV C - 2009-06-09

PDS: Rev :R STATUS:Released Printed: Jul 01, 2013

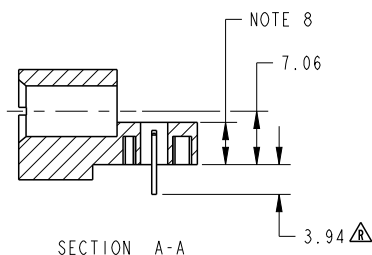
PRODUCT NUMBER
51720C- ABBCCCDDEF _ _
NOTE ①



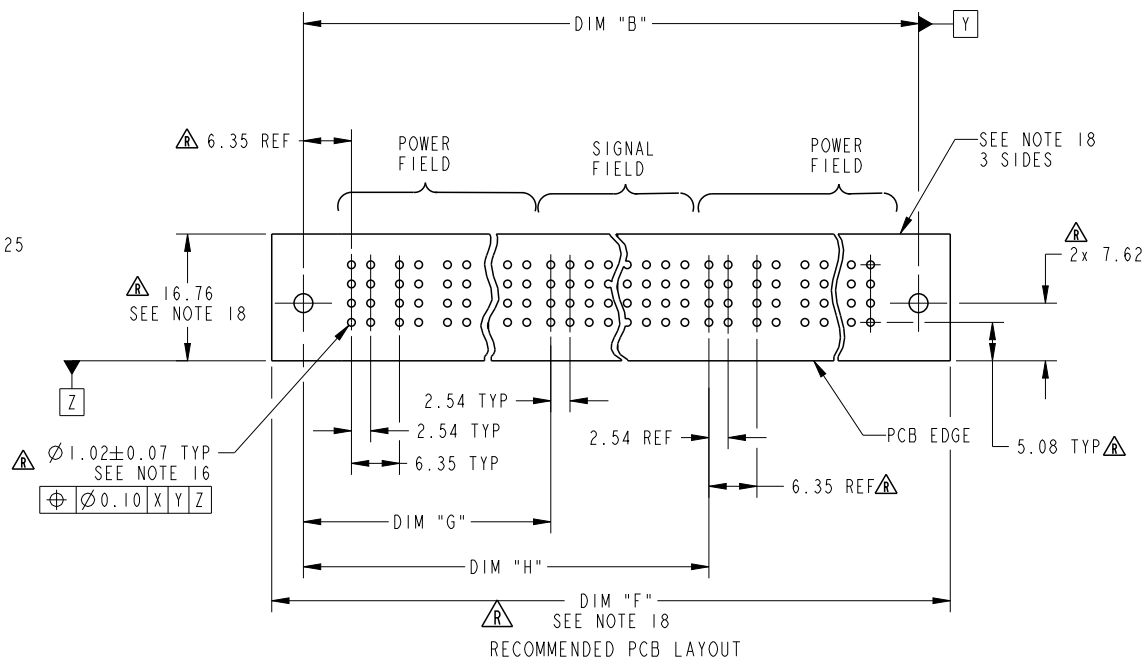
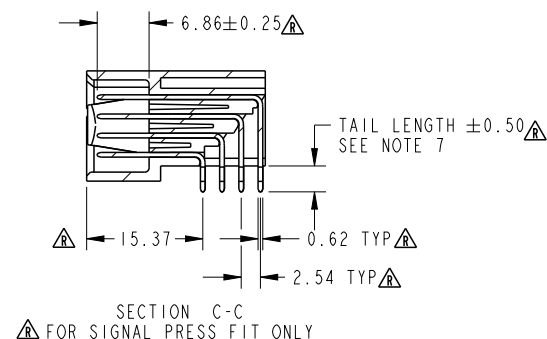
SECTION C-C
SCALE 1:1
FOR SIGNAL SOLDER TO BOARD ONLY



SECTION B-B
SCALE 1:1



SECTION A-A



dr	wcadmin	2006/11/08	projection	MM	size	A4	scale	1:1
eng	Jackie Huang	2013/06/27			ecn no	ELX-DG-13802-1		
chr	-	-			rel level	Released		
appr	Pei-Ming Zheng	2013/06/30	product family	PwrBlade	rev	R		
www.fci.com		cat. no.	51720	Product - Customer Drw	sheet	3 of 3		
FCI		title	RIGHT ANGLE HEADER w/GUIDE POWER / SIGNAL / POWER		dwg no	51720		