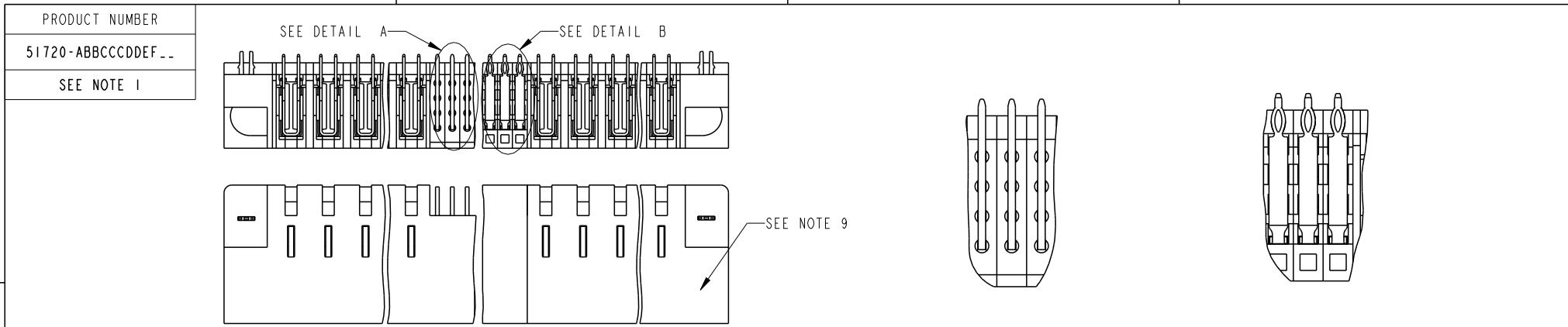


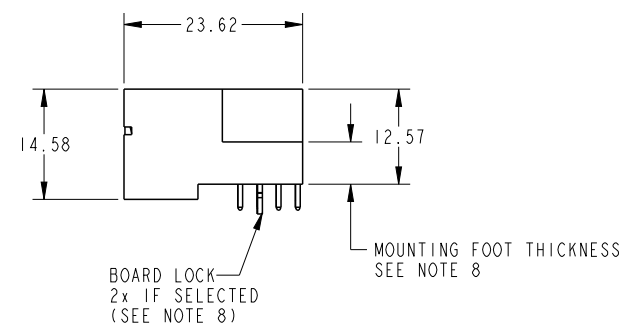
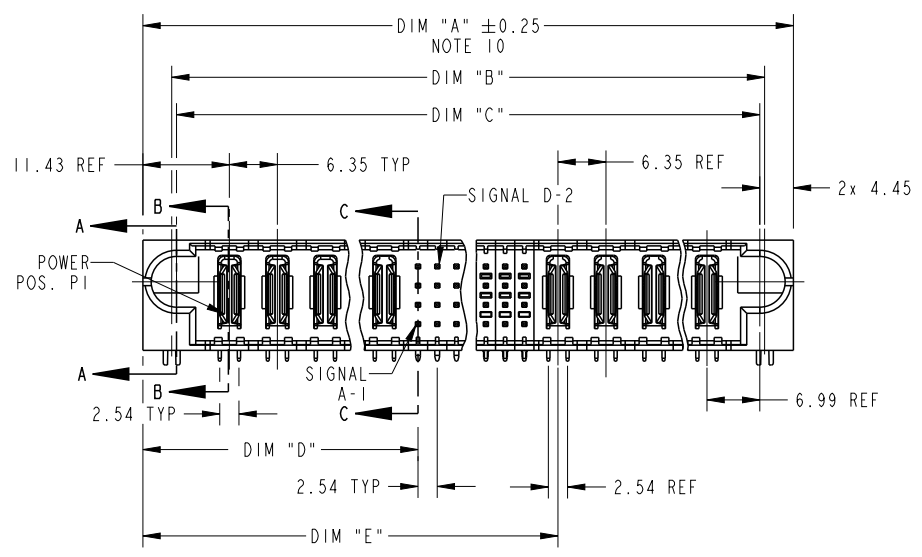


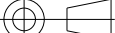
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DETAIL A
SCALE 2:1
FOR SOLDER TO BOARD ONLY

DETAIL B
SCALE 2:1
FOR PRESS FIT ONLY



spec ref *				dr w wcadmin 2006/11/08		projection 	MM 	size A4	scale 1:1
tolerance std ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng Ruan MT 2015/09/29				ecn no ELX-DG-21593-1	
				chr Fancy Zhang 2015/09/30					
				appr Pei-Ming Zheng 2015/09/30					product family PwrBlade
surface 	linear	0.X	±0.5		title R/A HEADER WITH GUIDE PIN POWER / SIGNAL / POWER			dwg no 51720	rev S
		0.XX	±0.25						
		0.XXX	±0.100						
ASME Y14.5	angular	0°	±2°	www.fci.com	cat. no. 51720	Product - Customer Drw			sheet 1 of 3

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PRODUCT NUMBER		DIM	LENGTH FORMULAS (SEE NOTE 10)
51720-ABBCCDDEF..		DIM "A"	$6.35 \times BB + 2.54 \times (CCC/4) + 6.35 \times DD + 16.51$ (NOTE 10)
SEE NOTE 1		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:
I = SEE ITEM PRINT 10064183 FOR PLATING SPEC OF 51720-ABBCCDDEF; 51720-ABBCCDDEFLF
4. LEFT END POWER CONTACTS, 01 TO 19 AVAILABLE.
MAXIMUM OF 20 POWER CONTACTS PER CONNECTOR.
5. SIGNAL CONTACTS, 004 TO 148 AVAILABLE.
6. RIGHT END POWER CONTACTS, 01 TO 19 AVAILABLE.
MAXIMUM OF 20 POWER CONTACTS PER CONNECTOR.

7. TAIL OPTIONS:
A = 3.43 SOLDER TO BOARD
B = 4.19 SOLDER TO BOARD
C = 3.43 PRESS FIT
D = 2.34 SOLDER TO BOARD

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±0.07 THRU HOLE IN PCB).
MOUNTING FOOT THICKNESS: 4.06
MOUNTING HOLES, WHERE APPLICABLE, ARE UNPLATED.
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
11. PRODUCT SPECIFICATION GS-12-149
APPLICATION SPECIFICATION BUS-20-067
12. REFERENCE 51697 FOR SELECT LOAD/FMLB WORKSHEET.

PCB NOTES:

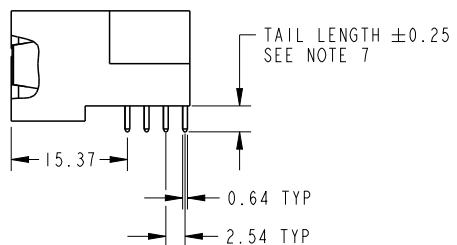
13. ALL DIMENSIONS ARE BASIC UNLESS OTHERWISE SPECIFIED.
14. ALL THROUGH HOLES ARE LOCATED WITH A
TRUE POSITION OF 0.10
15. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.
16. Ø1.151±0.025 DRILLED HOLES PLATED WITH
0.008 MIN SnPb or Sn OVER 0.03 TO 0.08
PLATING TO ACHIEVE A 1.02±0.07 HOLE.
17. A SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE
WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.
18. CONNECTOR KEEP OUT ZONE.

dr	wcadmin	2006/11/08	projection	MM	size	A4	scale	1:1
eng	Ruan MT	2015/09/29			ecn noELX-DG-21593-1			
chr	Fancy Zhang	2015/09/30						
appr	Pei-Ming Zheng	2015/09/30	product family		PwrBlade	rel levelReleased		
FCi		title			R/A HEADER WITH GUIDE PIN			rev
		POWER / SIGNAL / POWER			dwg no			S
www.fci.com		cat. no.		51720	Product - Customer Drw			sheet 2 of 3

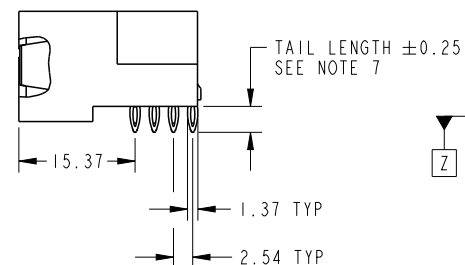
PRODUCT NUMBER

51720-ABBCCDDEF..

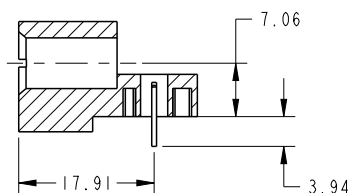
SEE NOTE 1



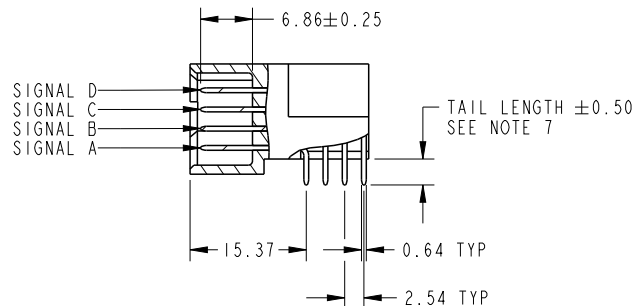
BROKEN-OUT SECTION B-B
FOR SOLDER TO BOARD ONLY



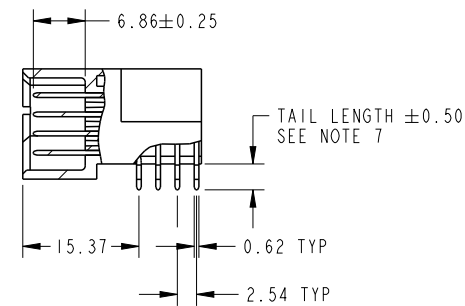
BROKEN-OUT SECTION B-B
FOR PRESS FIT ONLY



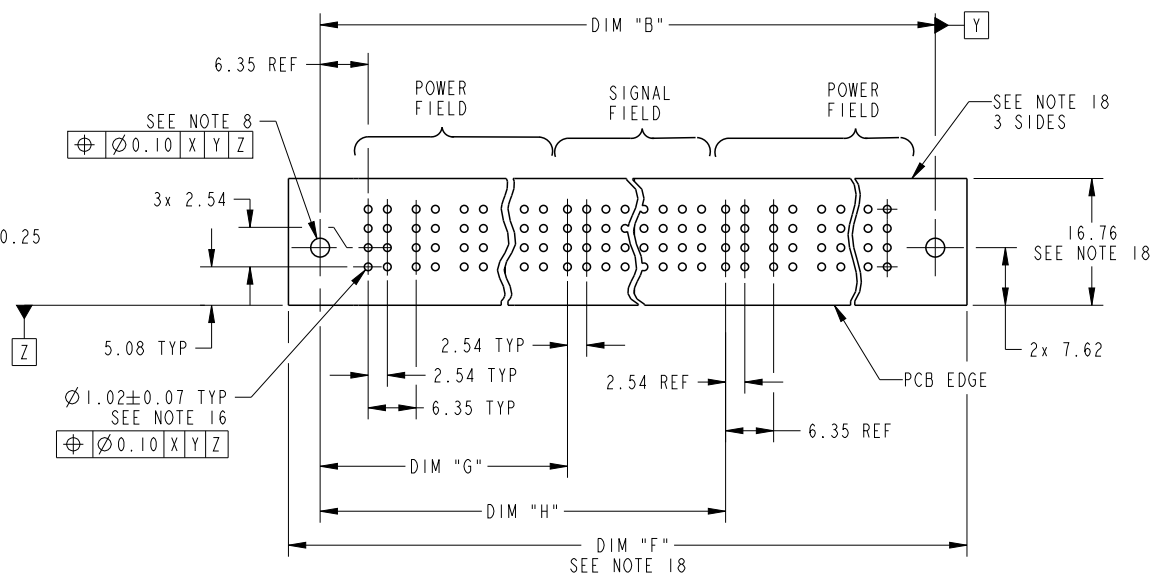
SECTION A-A



BROKEN-OUT SECTION C-C
FOR SOLDER TO BOARD ONLY



BROKEN-OUT SECTION C-C
FOR PRESS FIT ONLY



RECOMMENDED PCB LAYOUT

dr	wcadmin	2006/11/08	projection	MM	size	A4	scale	1:1
eng	Ruan MT	2015/09/29			ecn no	ELX-DG-21593-1		
chr	Fancy Zhang	2015/09/30			rel level	Released		
appr	Pei-Ming Zheng	2015/09/30	product family	PwrBlade				
www.fci.com		cat. no.	51720	Product - Customer Drw		sheet 3 of 3		
FCI		title			R/A HEADER WITH GUIDE PIN		dwg no	
					POWER / SIGNAL / POWER		51720	
							rev	
							S	

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FCI / Amphenol:

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[51720-10302003ABLF](#) [51720-10302405AALF](#) [51720-10501205AALF](#) [51720-10502402AALF](#) [51720-10503606AALF](#)
[51720-10504004AALF](#) [51720-10600802AALF](#) [51720-10702406AALF](#) [51720-10102401AA](#) [51720-10202402AA](#)
[51720-10208002AA](#) [51720-10301203AA](#) [51720-10302406AA](#) [51720-10400804AA](#) [51720-10401204AA](#) [51720-10402408AA](#) [51720-10404004AA](#) [51720-10502005AA](#) [51720-10101201ABLF](#)