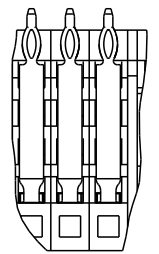
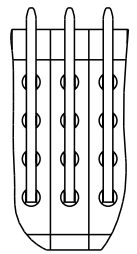
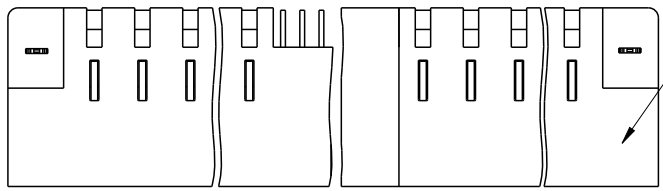
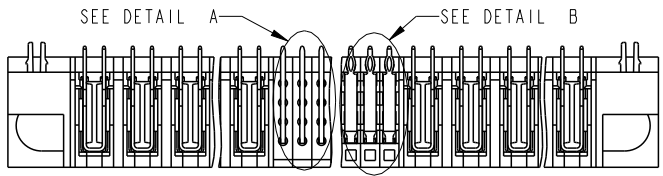




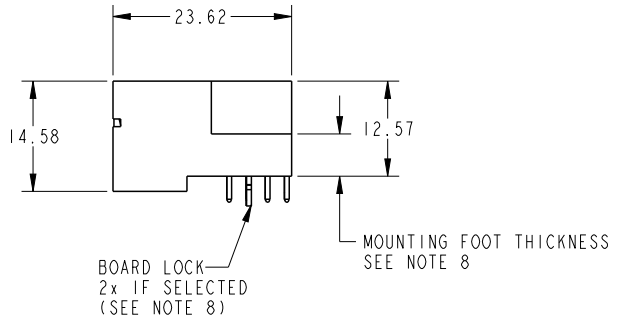
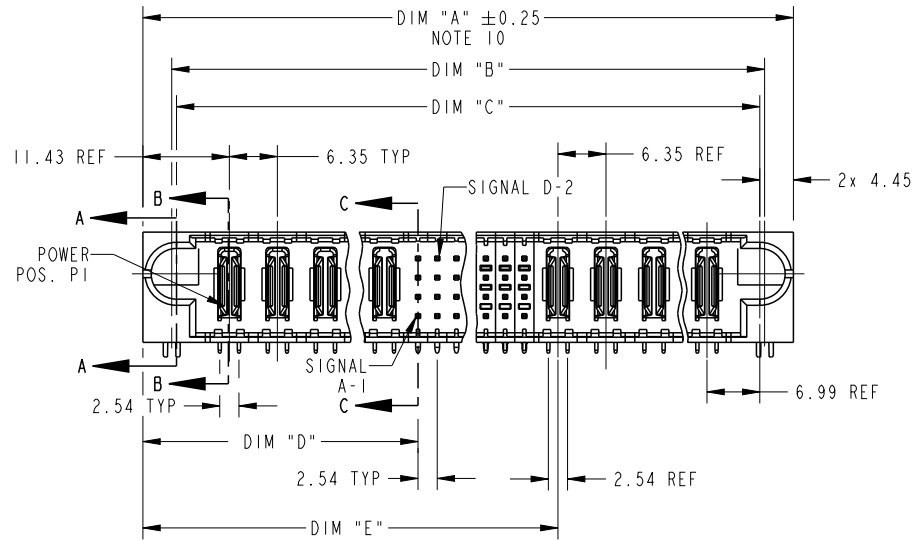
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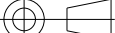
PRODUCT NUMBER
51720-ABBCCDDEF..
SEE NOTE 1



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

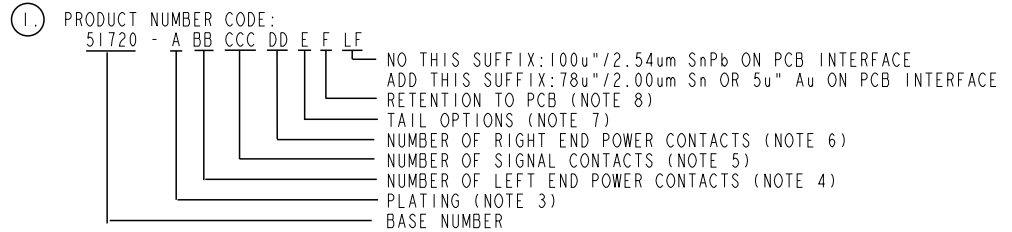
PrintE File - REV C - 2009-06-09



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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



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:

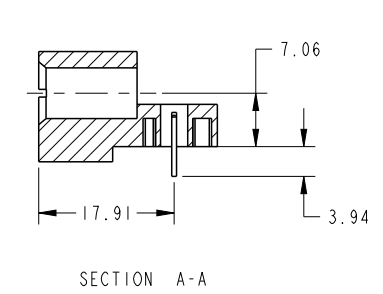
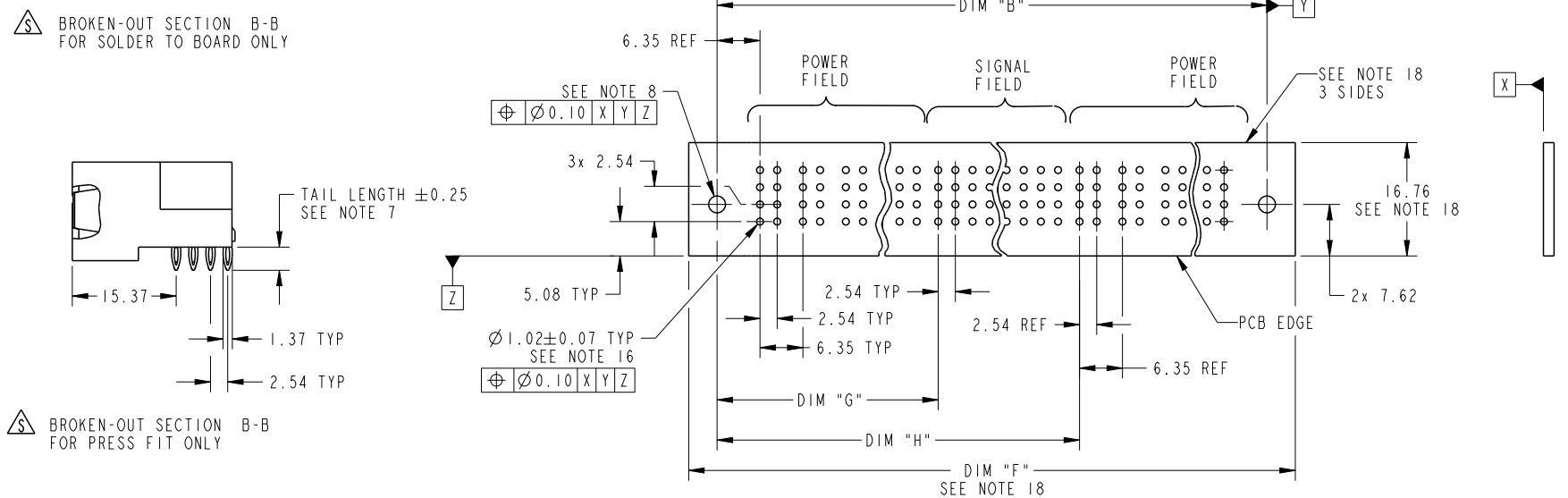
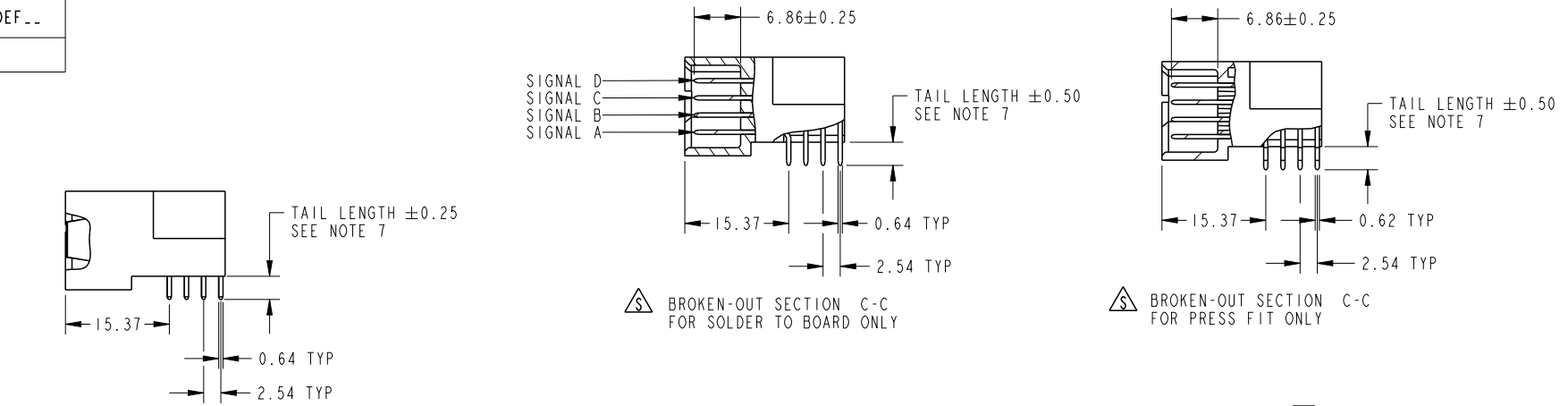
13. ALL DIMENSIONS ARE BASIC UNLESS OTHERWISE SPECIFIED.
14. ALL THROUGH HOLES ARE LOCATED WITH A
TRUE POSITION OF 0.10
15. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.
16. Ø1.151±0.025 DRILLED HOLES PLATED WITH
0.008 MIN SnPb or Sn OVER 0.03 TO 0.08
PLATING TO ACHIEVE A 1.02±0.07 HOLE.
17. A SYMBOL WILL 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 no	ELX-DG-21593-1		
chr	Fancy Zhang	2015/09/30			rel level	Released		
appr	Pei-Ming Zheng	2015/09/30	product family		PwrBlade			
			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	



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PRODUCT NUMBER
51720-ABBCCDDEF..
SEE NOTE 1



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						
			title			R/A HEADER WITH GUIDE PIN		dwg no	51720	rev	S
			POWER / SIGNAL / POWER								
www.fci.com			cat. no.		51720		Product - Customer Drw			sheet 3 of 3	

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

FCI / Amphenol:

<u>51720-10103201AALF</u>	<u>51720-10601603ABLF</u>	<u>51720-10401604AALF</u>	<u>51720-10502002AALF</u>	<u>51720-10001204AALF</u>
<u>51720-10003606AALF</u>	<u>51720-10201606AALF</u>	<u>51720-10302408AALF</u>	<u>51720-10302803AALF</u>	<u>51720-10303603AALF</u>
<u>51720-10306802AALF</u>	<u>51720-10401604ABLF</u>	<u>51720-10502400AALF</u>	<u>51720-10602005ABLF</u>	<u>51720-10602404ABLF</u>
<u>51720-10108001ABLF</u>	<u>51720-10104001AALF</u>	<u>51720-10404804ABLF</u>	<u>51720-10601602AALF</u>	<u>51720-10402405AALF</u>
<u>51720-10403204AALF</u>	<u>51720-11003210AALF</u>	<u>51720-10903204AALF</u>	<u>51720-10107201ABLF</u>	<u>51720-10101201ABLF</u>
<u>51720-10104401AALF</u>	<u>51720-10201604AALF</u>	<u>51720-10803208ABLF</u>	<u>51720-10301603AALF</u>	<u>51720-10502404AALF</u>
<u>51720-10402003AALF</u>	<u>51720-10107201AALF</u>	<u>51720-10104002AALF</u>	<u>51720-10405604ABLF</u>	<u>51720-10204002AALF</u>
<u>51720-10206002AALF</u>	<u>51720-10106402AALF</u>	<u>51720-10103601AALF</u>	<u>51720-10202814ABLF</u>	