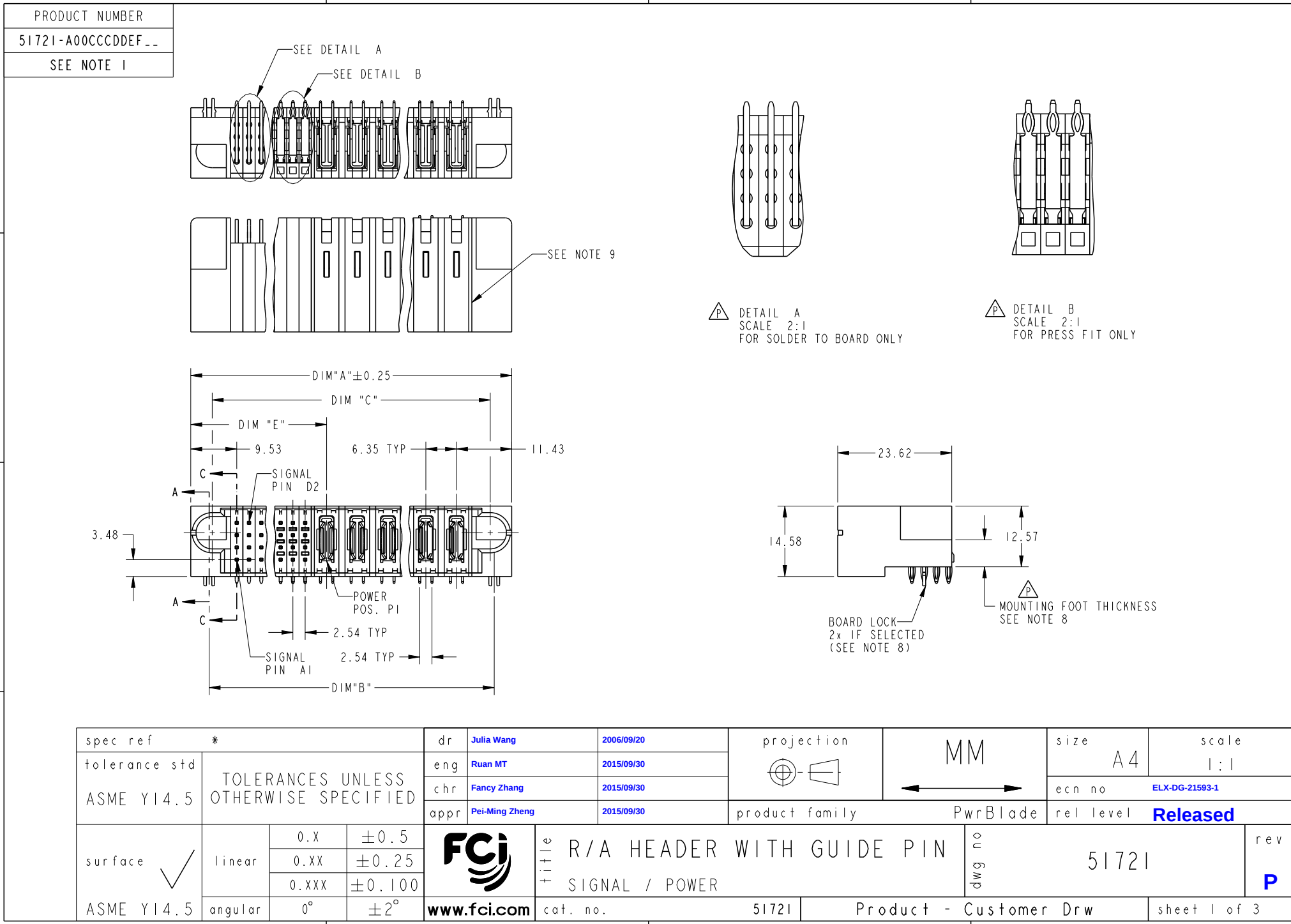




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spec ref		*		dr	Julia Wang	2006/09/20	projection	MM	size	A4	scale	1:1				
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Ruan MT	2015/09/30			ecn no	ELX-DG-21593-1						
ASME Y14.5				chr	Fancy Zhang	2015/09/30										
				appr	Pei-Ming Zheng	2015/09/30							product family		PwrBlade	rel level
surface	✓	linear	0.X	±0.5	FCi	title	R/A HEADER WITH GUIDE PIN				dwg no	51721		rev	P	
ASME Y14.5			0.XX	±0.25												SIGNAL / POWER
			0.XXX	±0.100												
		angular	0°	±2°	www.fci.com		cat. no.	51721	Product - Customer Drw				sheet 1 of 3			

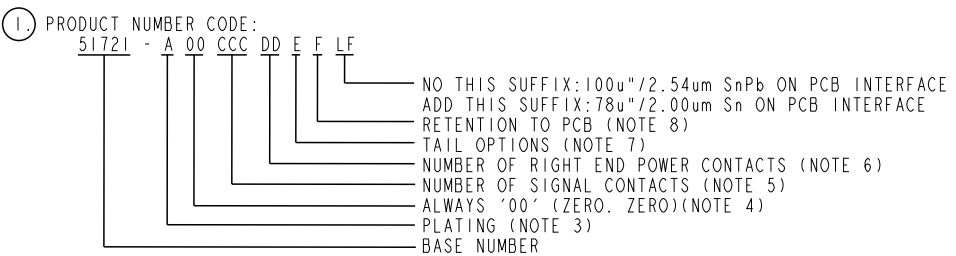
ProjE File - REV C - 2009-06-09



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PRODUCT NUMBER		DIM	LENGTH FORMULAS (SEE NOTE 10)
51721-A00CCDDEF--		DIM "A"	2.54 x (CCC/4) + 6.35 x DD + 16.51(NOTE 10)
SEE NOTE 1		DIM "B"	2.54 x (CCC/4) + 6.35 x DD + 8.89
		DIM "C"	2.54 x (CCC/4) + 6.35 x DD + 7.62
		DIM "E"	2.54 x (CCC/4) + 11.43
		DIM "F"	2.54 x (CCC/4) + 6.35 x DD + 17.27
		DIM "H"	2.54 x (CCC/4) + 6.35

CONNECTOR NOTES

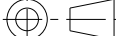


- ②. HOUSING MATERIAL: GLASS FILLED V-O HIGH TEMP THERMO PLASTIC.
SIGNAL CONTACT MATERIAL: COPPER ALLOY
POWER CONTACT MATERIAL: COPPER ALLOY
- ③. PLATING OPTION:
I = SEE PRINT 10064183 FOR PLATING SPEC OF 51721-100CCDDEF; 51721-100CCDDEFLF
- ④. THIS PART IS NOT AVAILABLE WITH LEFT SIDE POWER CONTACTS.
- 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
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 (REQUIRES 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:

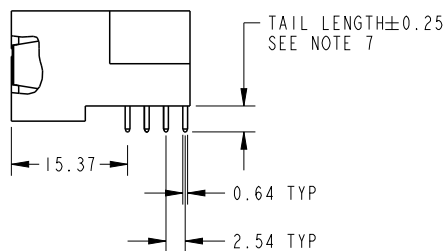
13. ALL DIMENSIONS ARE BASIC UNLESS OTHERWISE SPECIFIED.
14. ALL THROUGH HOLES ARE LOCATED WITH A
TRUE POSITION OF 0.10
15. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.
- ⑬. Ø1.151±0.025 DRILLED HOLES PLATED WITH
0.008 MIN SnPb OR Sn OVER 0.03 TO 0.08
Cu PLATING TO ACHIEVE A 1.02±0.07 HOLE.
17. A △ SYMBOL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

dr	Julia Wang	2006/09/20	projection 	MM 	size	A4	scale	1:1
eng	Ruan MT	2015/09/30			ecn no ELX-DG-21593-1			
chr	Fancy Zhang	2015/09/30						
appr	Pei-Ming Zheng	2015/09/30	product family		PwrBlade	rel level Released		
		title R/A HEADER WITH GUIDE PIN SIGNAL / POWER			dwg no 51721		rev P	
www.fci.com								
cat. no.		51721	Product - Customer Drw				sheet 2 of 3	

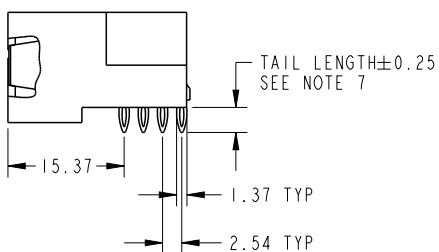
PRODUCT NUMBER

51721-A00CCDDEF_..

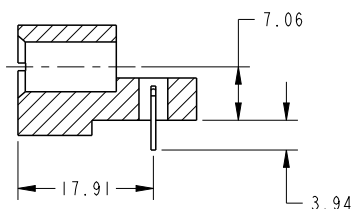
SEE NOTE 1



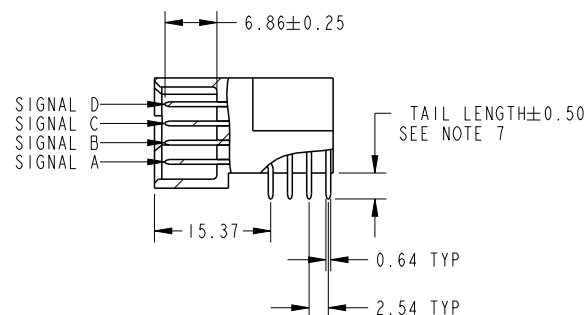
△ BROKEN-OUT SECTION B-B
FOR SOLDER TO BOARD ONLY



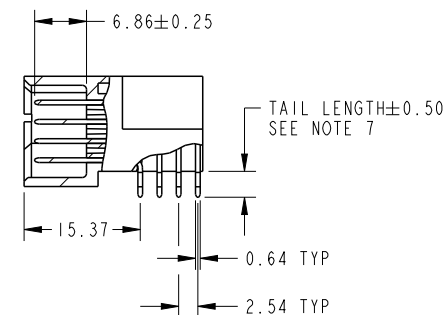
△ BROKEN-OUT SECTION B-B
FOR POWER PRESS FIT ONLY



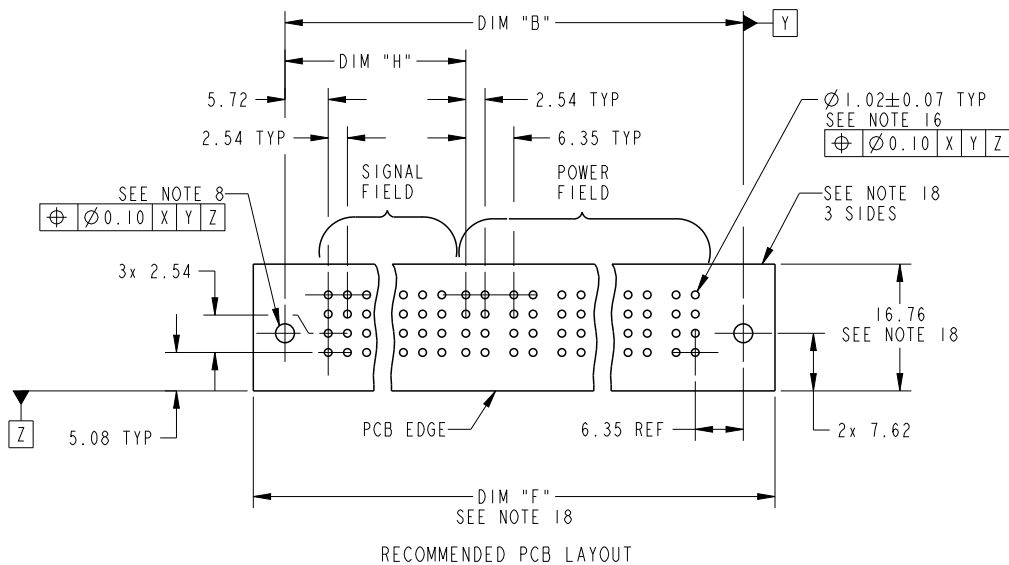
SECTION A-A



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



△ BROKEN-OUT SECTION C-C
FOR PRESS FIT ONLY



RECOMMENDED PCB LAYOUT

dr	Julia Wang	2006/09/20	projection	MM	size	A4	scale	1:1
eng	Ruan MT	2015/09/30			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	51721		rev
		SIGNAL / POWER						P
www.fci.com	cat. no.	51721	Product - Customer Drw			sheet 3 of 3		

Mouser Electronics

Authorized Distributor

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

FCI:

<u>51721-10000802AALF</u>	<u>51721-10002004AALF</u>	<u>51721-10002006AALF</u>	<u>51721-10002416AALF</u>	<u>51721-10003204AALF</u>
<u>51721-10003206ABLF</u>	<u>51721-10001608ABLF</u>	<u>51721-10004807AALF</u>	<u>51721-10002806AALF</u>	<u>51721-10001208AALF</u>
<u>51721-10002420ABLF</u>	<u>51721-10002006ABLF</u>	<u>51721-10003208AALF</u>	<u>51721-10004802AALF</u>	<u>51721-10003605AALF</u>
<u>51721-10005611ABLF</u>	<u>51721-10004006AALF</u>	<u>51721-10003603AALF</u>		