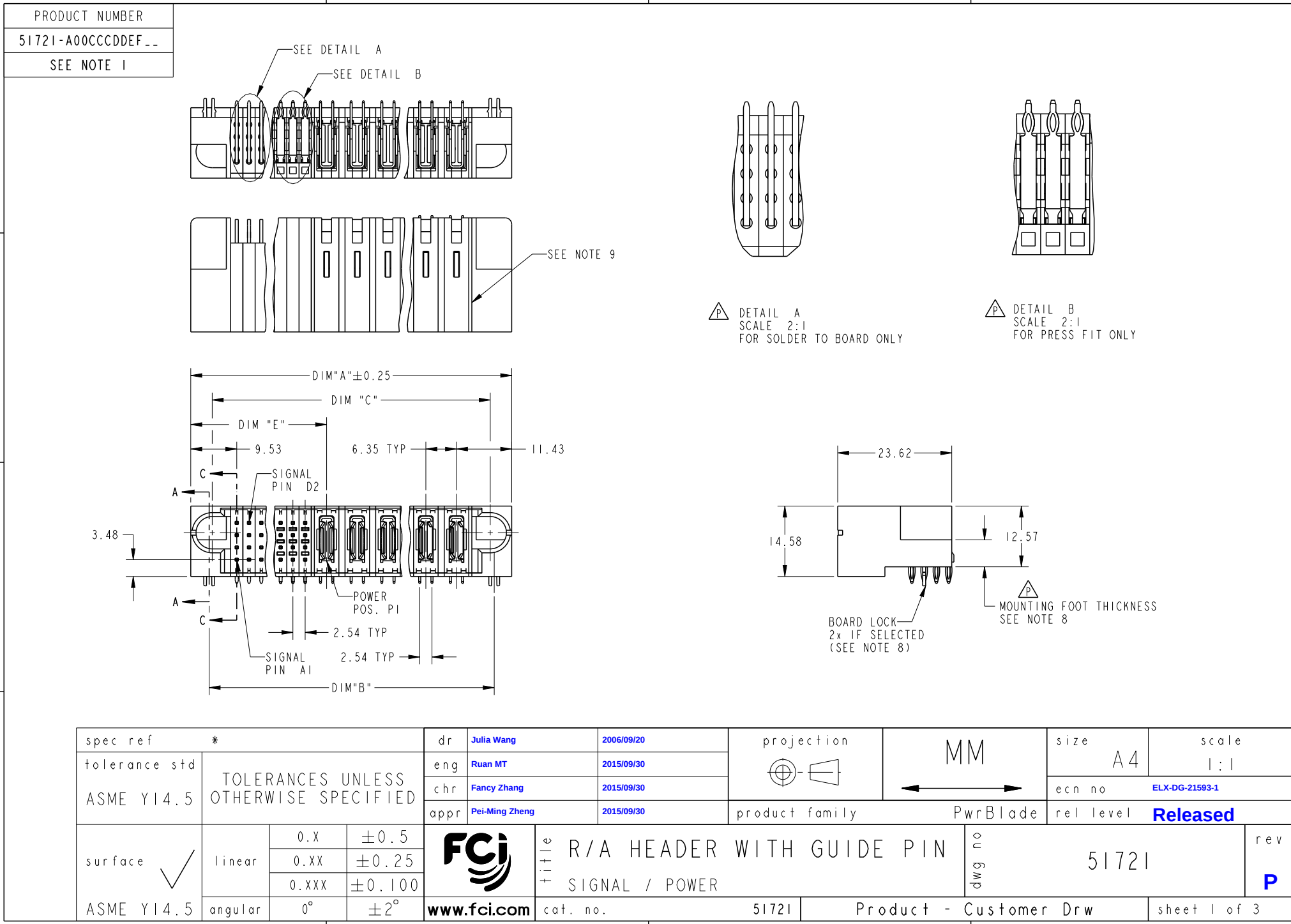




Copyright FCI.



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	Released
surface		✓	linear	0.X	±0.5		FCi	title	R/A HEADER WITH GUIDE PIN				dwg no	51721		rev	P
				0.XX	±0.25												
				0.XXX	±0.100												
ASME Y14.5		angular	0°	±2°		www.fci.com	cat. no.	51721		Product - Customer Drw				sheet 1 of 3			

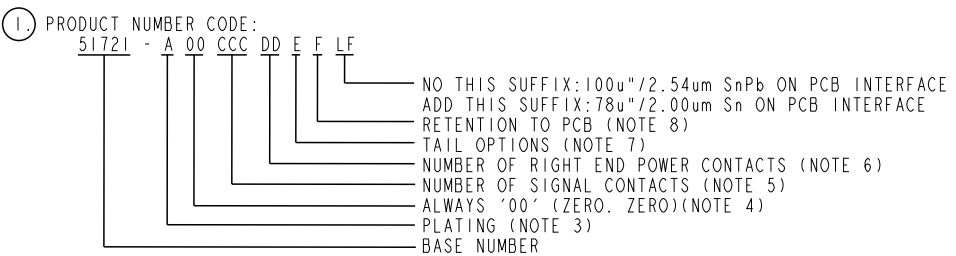
ProjE File - REV C - 2009-06-09



Copyright FCI.

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

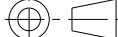


- 2. HOUSING MATERIAL: GLASS FILLED V-O HIGH TEMP THERMO PLASTIC.
SIGNAL CONTACT MATERIAL: COPPER ALLOY
POWER CONTACT MATERIAL: COPPER ALLOY
- 3. PLATING OPTION:
I = SEE PRINT 10064183 FOR PLATING SPEC OF 51721-100CCDDEF; 51721-100CCDDEFLF
- 4. THIS PART IS NOT AVAILABLE WITH LEFT SIDE POWER CONTACTS.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

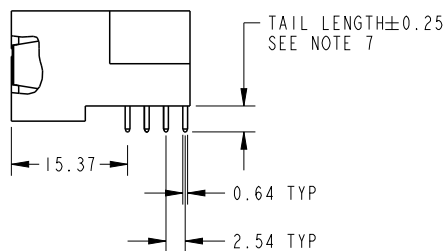
- 13. ALL DIMENSIONS ARE BASIC UNLESS OTHERWISE SPECIFIED.
- 14. ALL THROUGH HOLES ARE LOCATED WITH A
TRUE POSITION OF 0.10
- 15. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.
- 16. Ø1.151±0.025 DRILLED HOLES PLATED WITH
0.008 MIN SnPb OR Sn OVER 0.03 TO 0.08
Cu PLATING TO ACHIEVE A 1.02±0.07 HOLE.
- 17. A Δ 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	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			dwg no	51721	rev P
		SIGNAL / POWER								
www.fci.com		cat. no.		51721	Product - Customer Drw				sheet 2 of 3	

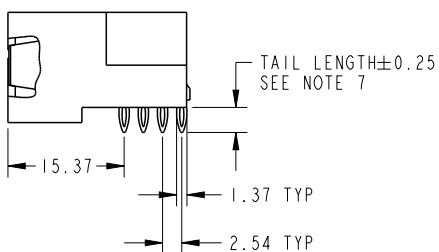
PRODUCT NUMBER

51721-A00CCDDEF_..

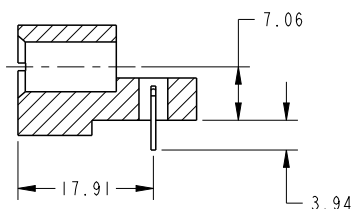
SEE NOTE 1



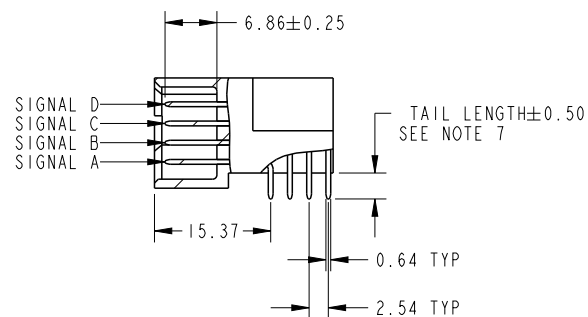
△ BROKEN-OUT SECTION B-B
FOR SOLDER TO BOARD ONLY



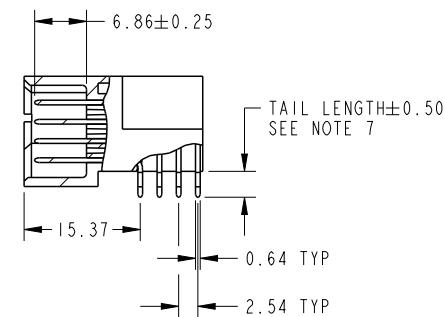
△ BROKEN-OUT SECTION B-B
FOR POWER PRESS FIT ONLY



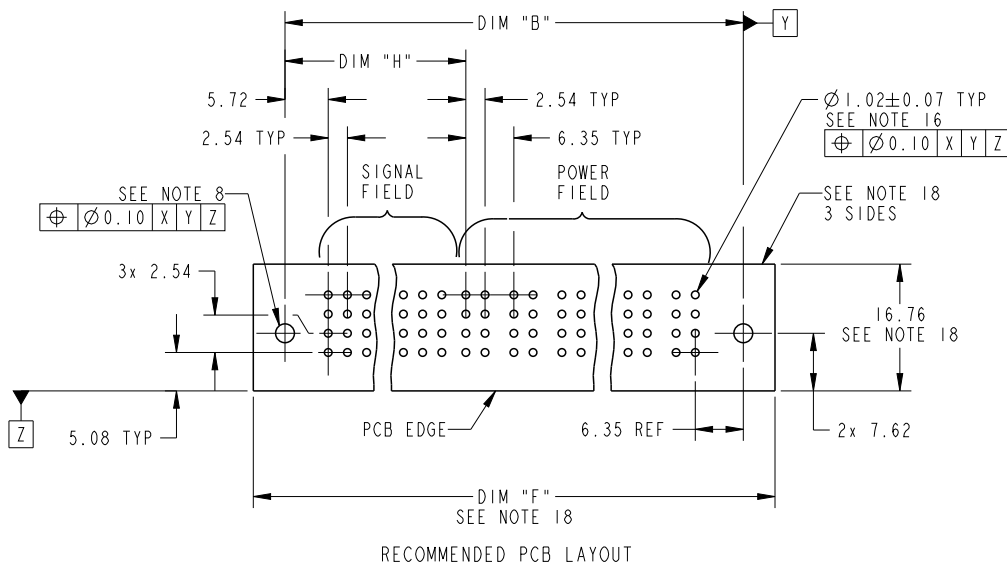
SECTION A-A



△ 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	
			SIGNAL / POWER				P	
www.fci.com		cat. no.	51721	Product - Customer Drw			sheet 3 of 3	