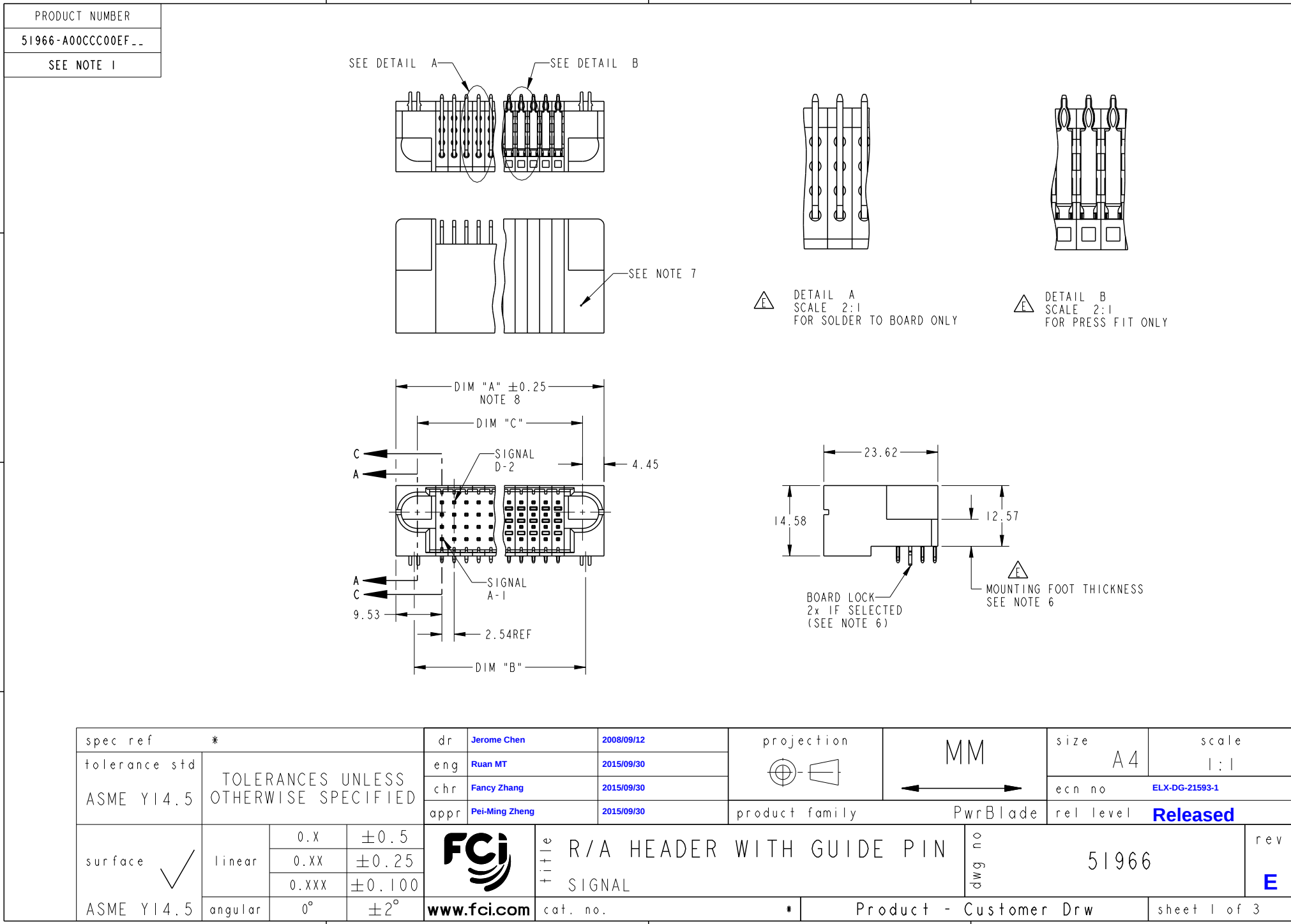




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PRODUCT NUMBER		DIM		LENGTH FORMULAS (SEE NOTE 8)	
51966-A00CCC00EF--		DIM "A"		2.54 x (CCC/4) + 16.51 (NOTE 8)	
SEE NOTE 1		DIM "B"		2.54 x (CCC/4) + 8.89	
		DIM "C"		2.54 x (CCC/4) + 7.62	
		DIM "D"		[2.54 x (CCC/4) + 17.27	

CONNECTOR NOTES

①. PRODUCT NUMBER CODE:
51966 - A 00 CCC 00 E F LF
NO THIS SUFFIX:100u"/2.54um SnPb ON PCB INTERFACE
ADD THIS SUFFIX:78u"/2.00um Sn ON PCB INTERFACE
RETENTION TO PCB (NOTE 6)
TAIL OPTIONS (NOTE 5)
ALWAYS "00"
NUMBER OF SIGNAL CONTACTS (NOTE 4)
ALWAYS "00"
PLATING (NOTE 3))
BASE NUMBER

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

③. PLATING OPTION:
1 = SEE PRINT 10064183 FOR PLATING SPEC OF 51966-100CCC00EF
AND 51966-100CCC00EFLF RESPECTIVELY

④. SIGNAL CONTACTS, 004 TO 148 AVAILABLE.

⚠ ⑤. 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

⑥. 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.

⑦. MANUFACTURE'S NAME, P/N, AND DATE CODE
TO APPEAR ON THIS SURFACE.

⑧. THE MAXIMUM OVERALL LENGTH (DIM A) OF A PART
IS 203.2

9. PRODUCT SPECIFICATION GS-12-149
APPLICATION SPECIFICATION BUS-20-067

10. REFERENCE 51697 FOR SELECT LOAD/FMLB WORKSHEET

PCB NOTES:

11. ALL DIMENSIONS ARE BASIC UNLESS OTHERWISE SPECIFIED.

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

13. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.

⑭. 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.

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

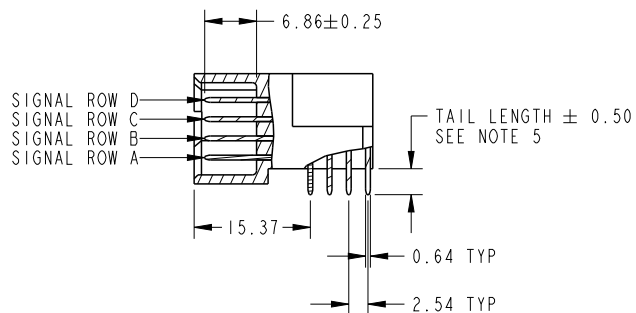
⚠ ⑮. CONNECTOR KEEP OUT ZONE

dr	Jerome Chen	2008/09/12	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			
FCI		title			R/A HEADER WITH GUIDE PIN		rev	
					SIGNAL		E	
www.fci.com		cat. no.		*	Product - Customer Drw		sheet 2 of 3	

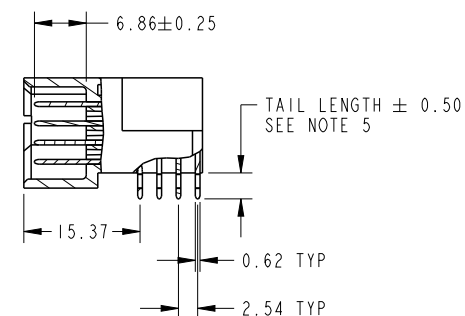
PRODUCT NUMBER

51966-A00CCC00EF--

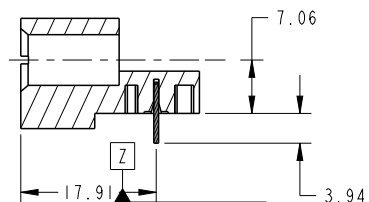
SEE NOTE 1



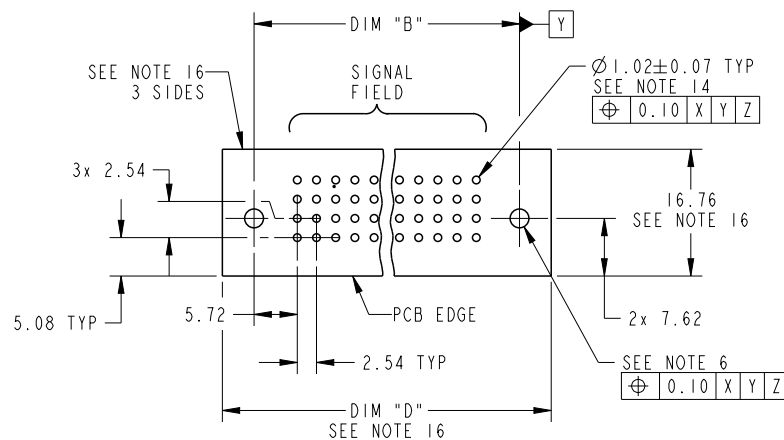
△ BROKEN-OUT SECTION C-C
FOR SOLDER TO BOARD ONLY



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



SECTION A-A



RECOMMENDED PCB LAYOUT

dr	Jerome Chen	2008/09/12	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	51966	rev	
											SIGNAL
www.fci.com			cat. no.		*	Product - Customer Drw					sheet 3 of 3