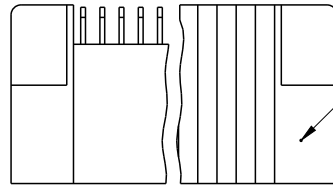
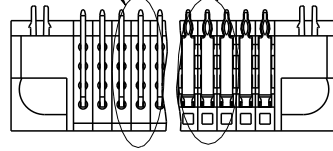


PRODUCT NUMBER

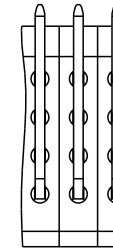
51966-A00CCC00EF_..

SEE NOTE 1

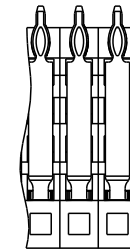
SEE DETAIL A SEE DETAIL B



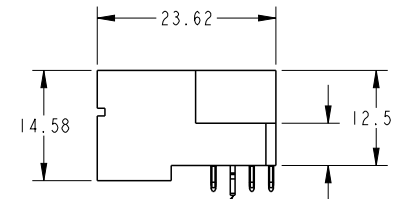
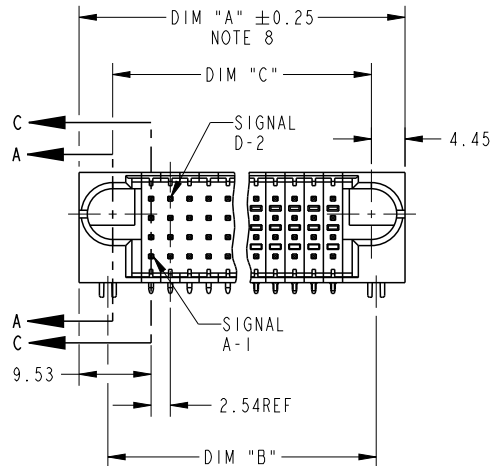
SEE NOTE 7



DETAIL A
SCALE 2:1
FOR SOLDER TO BOARD ONLY



DETAIL B
SCALE 2:1
FOR PRESS FIT ONLY



BOARD LOCK
2x IF SELECTED
(SEE NOTE 6)

MOUNTING FOOT THICKNESS
SEE NOTE 6



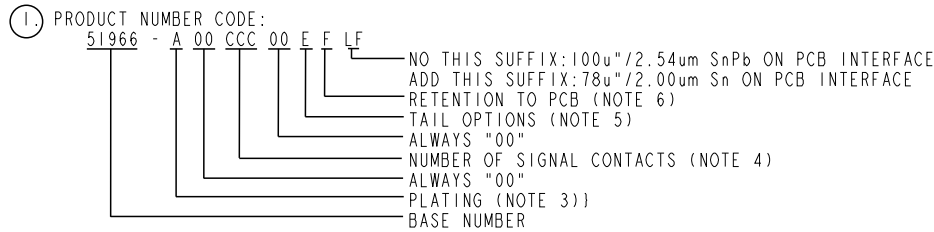
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spec ref *		dr Jerome Chen		2008/09/12		projection		size A4		scale 1:1	
tolerance std ASME Y14.5		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng Ruan MT		2015/09/30		MM		ecn no ELX-DG-21593-1	
				chr Fancy Zhang		2015/09/30				rel level Released	
				appr Pei-Ming Zheng		2015/09/30		product family PwrBlade			
surface ✓		linear				title R/A HEADER WITH GUIDE PIN SIGNAL		dwg no 51966		rev E	
		0.X ±0.5									
		0.XX ±0.25									
ASME Y14.5		angular		www.fci.com		cat. no. *		Product - Customer Drw		sheet 1 of 3	
		0° ±2°									

PRODUCT NUMBER
51966-A00CCC00EF--
SEE NOTE 1

DIM	LENGTH FORMULAS (SEE NOTE 8)
DIM "A"	$2.54 \times (CCC/4) + 16.51$ (NOTE 8)
DIM "B"	$2.54 \times (CCC/4) + 8.89$
DIM "C"	$2.54 \times (CCC/4) + 7.62$
DIM "D"	$[2.54 \times (CCC/4) + 17.27$

CONNECTOR NOTES



- 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 $\varnothing 1.151 \pm 0.025$ 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



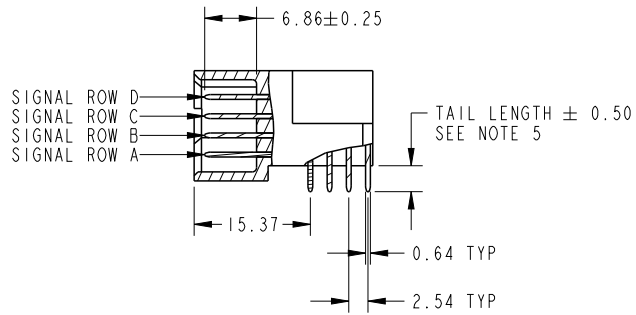
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dr	Jerome Chen	2008/09/12	projection 	MM 	size	A4	scale	1:1	
eng	Ruan MT	2015/09/30			ecn no	ELX-DG-21593-1			
chr	Fancy Zhang	2015/09/30			rel level	Released			
appr	Pei-Ming Zheng	2015/09/30	product family	PwrBlade					
		title	R/A HEADER WITH GUIDE PIN		dwg no	51966		rev	E
www.fci.com		cat. no.	*	Product - Customer Drw			sheet 2 of 3		

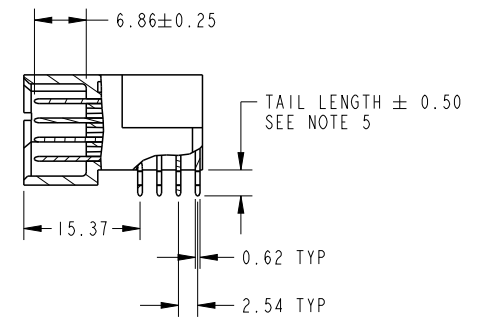
PRODUCT NUMBER

51966-A00CCC00EF_..

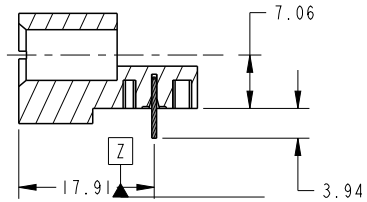
SEE NOTE 1



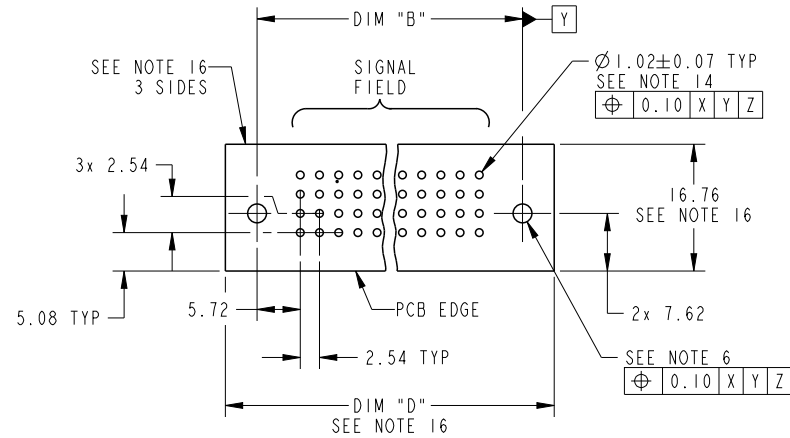
⚠ BROKEN-OUT SECTION C-C FOR SOLDER TO BOARD ONLY



⚠ 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			product family	PwrBlade	rel level	Released
appr	Pei-Ming Zheng	2015/09/30			rev	51966		E
www.fci.com		cat. no.	*	Product - Customer Drw			sheet 3 of 3	



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