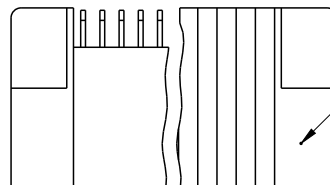
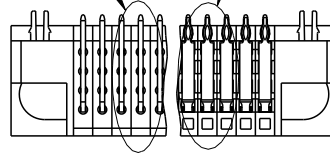




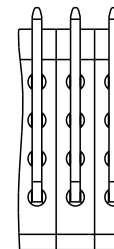
Copyright FCI.

PRODUCT NUMBER
51966-A00CCC00EF_..
SEE NOTE 1

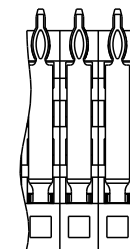
SEE DETAIL A SEE DETAIL B



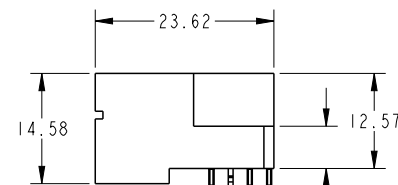
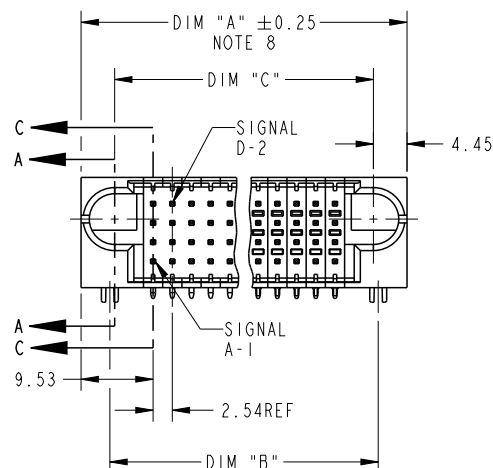
SEE NOTE 7



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

spec ref *				dr Jerome Chen 2008/09/12		projection 	MM 	size A4	scale 1:1	
tolerance std ASME Y14.5				eng Ruan MT 2015/09/30				ecn no ELX-DG-21593-1		
TOLERANCES UNLESS OTHERWISE SPECIFIED				chr Fancy Zhang 2015/09/30				rel level Released		
appr Pei-Ming Zheng 2015/09/30				product family PwrBlade						
surface		linear	0.X ±0.5 0.XX ±0.25 0.XXX ±0.100			title R/A HEADER WITH GUIDE PIN SIGNAL		dwg no 51966		rev E
ASME Y14.5		angular	0° ±2°	www.fci.com		cat. no. *		Product - Customer Drw		sheet 1 of 3

ProjE File - REV C - 2009-06-09

PDS: Rev :E

STATUS:Released

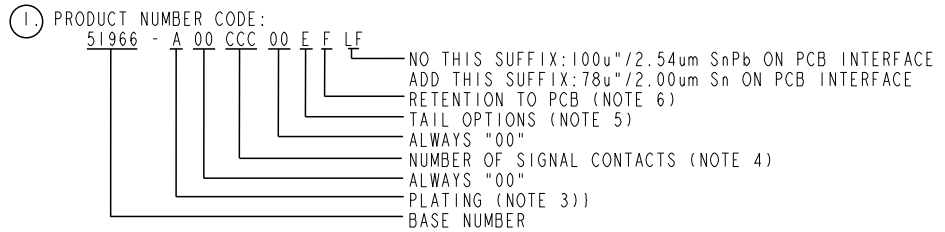
Printed: Sep 30, 2015



Copyright FCI.

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

CONNECTOR NOTES



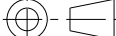
- ②. HOUSING MATERIAL: GLASS FILLED V-O HIGH TEMP THERMO PLASTIC.
SIGNAL CONTACT MATERIAL: COPPER ALLOY
- ③. PLATING OPTION:
1 = SEE PRINT 10064183 FOR PLATING SPEC OF 51966-100CCC00EF
AND 51966-100CCC00EFLF RESPECTIVELY
- ④. SIGNAL CONTACTS, 004 TO 148 AVAILABLE.

- ⚠ 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:

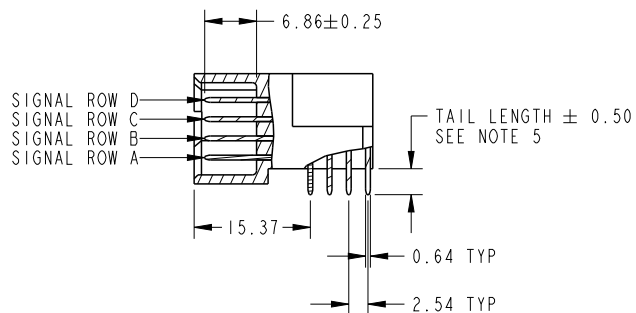
11. ALL DIMENSIONS ARE BASIC UNLESS OTHERWISE SPECIFIED.
12. ALL THROUGH HOLES ARE LOCATED WITH A
TRUE POSITION OF 0.10
13. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.
- ⑭. Ø1.151 ±0.025 DRILLED HOLES PLATED WITH
0.008 MIN SnPb or Sn OVER 0.03 TO 0.08
Cu PLATING TO ACHIEVE A 1.02±0.07 HOLE.
15. A ⚠ SYMBOL 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	rel level	Released					
chr	Fancy Zhang	2015/09/30											
appr	Pei-Ming Zheng	2015/09/30	product family		PwrBlade								
		title			R/A HEADER WITH GUIDE PIN		dwg no		51966	rev	E		
		SIGNAL											
www.fci.com		cat. no.	*		Product - Customer Drw				sheet 2 of 3				

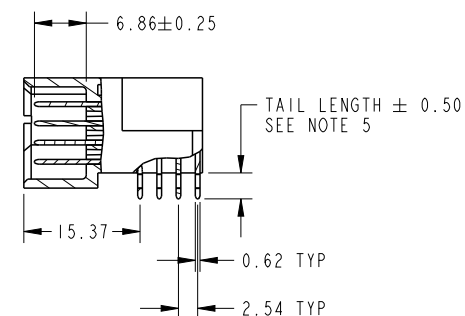
PRODUCT NUMBER

51966-A00CCC00EF--

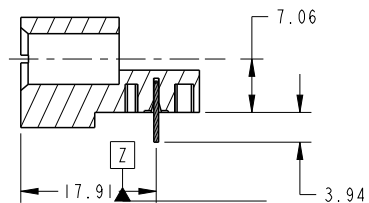
SEE NOTE 1



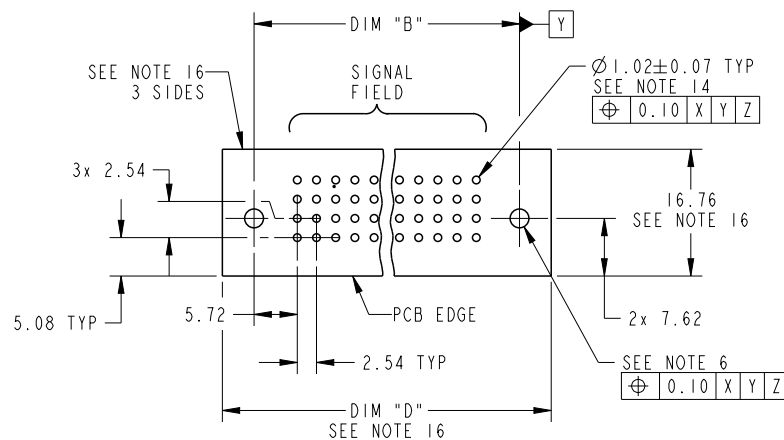
△ BROKEN-OUT SECTION C-C
FOR SOLDER TO BOARD ONLY



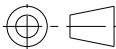
△ BROKEN-OUT SECTION C-C
FOR PRESS FIT ONLY



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 SIGNAL		dwg no	51966	rev	
www.fci.com			cat. no.	*	Product - Customer Drw			sheet 3 of 3			