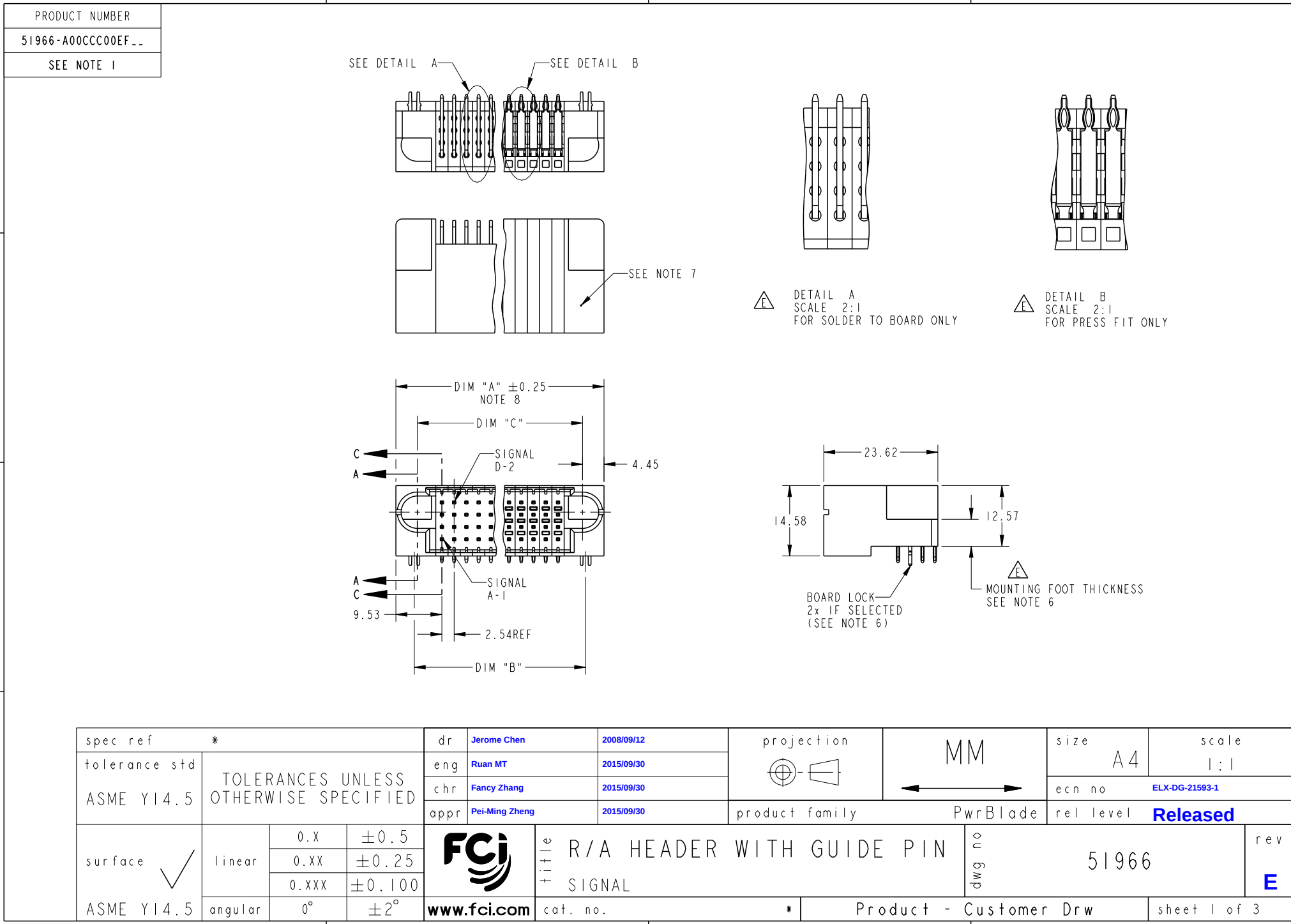




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|                    |  |         |  |                                 |  |
|--------------------|--|---------|--|---------------------------------|--|
| PRODUCT NUMBER     |  | DIM     |  | LENGTH FORMULAS (SEE NOTE 8)    |  |
| 51966-A00CCC00EF-- |  | 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.

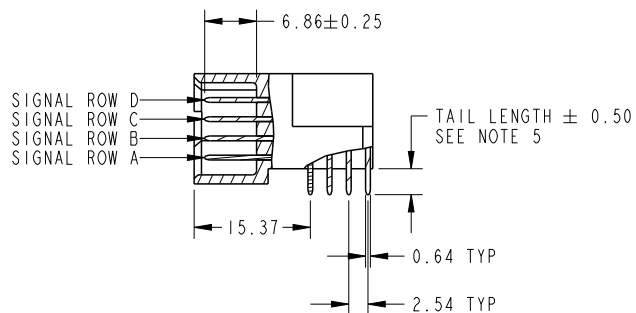
⚠ ⑮. CONNECTOR KEEP OUT ZONE

|             |                |            |                |        |                           |                |              |     |
|-------------|----------------|------------|----------------|--------|---------------------------|----------------|--------------|-----|
| dr          | Jerome Chen    | 2008/09/12 | projection<br> | MM<br> | 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 |     |

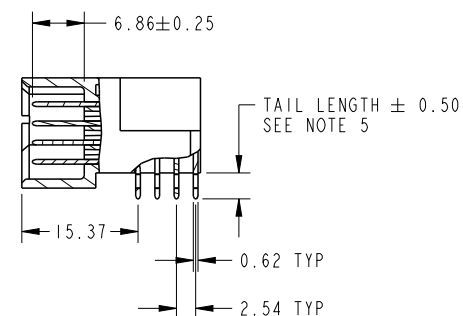
PRODUCT NUMBER

51966-A00CCC00EF--

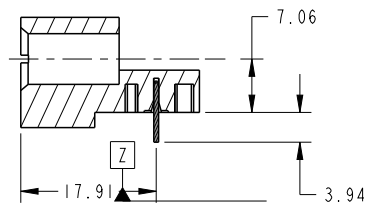
SEE NOTE 1



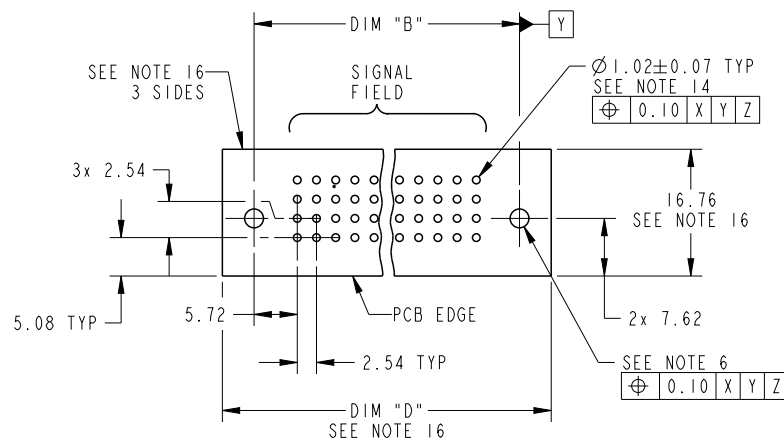
△ BROKEN-OUT SECTION C-C  
FOR SOLDER TO BOARD ONLY



△ 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 |
| www.fci.com |                | cat. no.   | *                         | Product - Customer Drw |           |                | sheet 3 of 3 | E   |