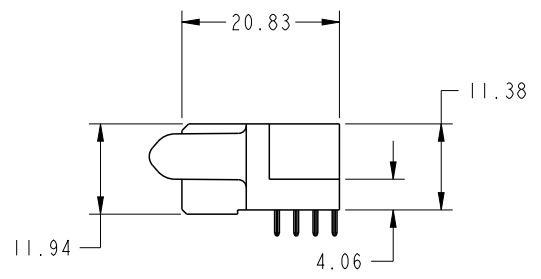
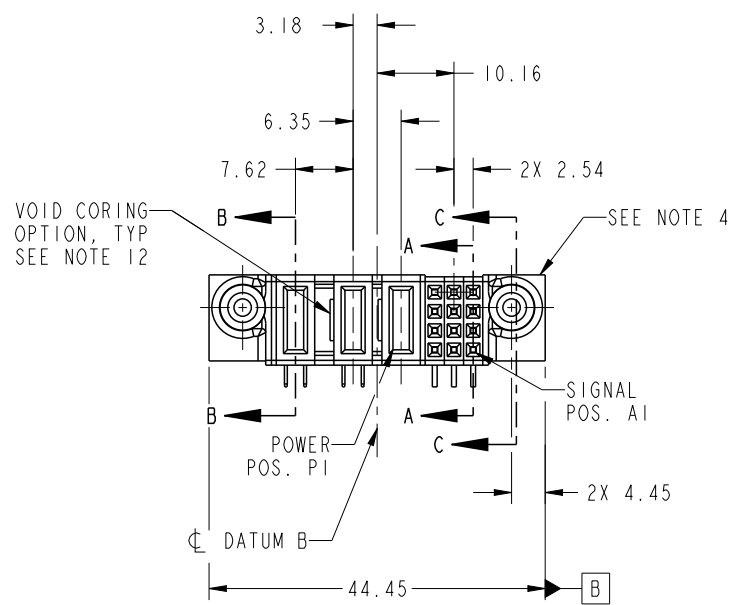




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| PRODUCT NO.           | ROWS             | POWER SIGNAL |    |    |    |   |   |   |    |
|-----------------------|------------------|--------------|----|----|----|---|---|---|----|
|                       |                  | E2           | P3 | P2 | P1 | 3 | 2 | 1 | E1 |
| 51915-348--<br>NOTE 3 | D<br>C<br>B<br>A |              | PA | PA | X  | H | H | H |    |
|                       |                  |              |    |    |    | G | G | G |    |
|                       |                  |              |    |    |    | F | F | F |    |
|                       |                  |              |    |    |    | E | E | E |    |



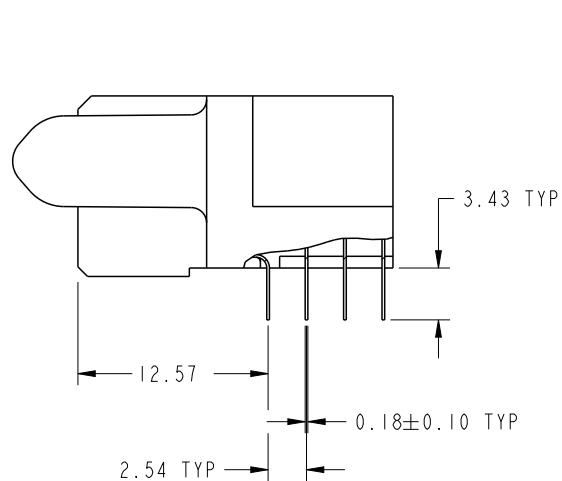
| CODE | DIM "M" MATING LENGTH | CONTACT TYPE |
|------|-----------------------|--------------|
| PA   | [1.07]                | POWER        |
| H    | [N/A]                 | SIGNAL       |
| G    | [N/A]                 | SIGNAL       |
| F    | [N/A]                 | SIGNAL       |
| E    | [N/A]                 | SIGNAL       |
| X    | N/A                   | N/A          |

|               |  |                                       |  |        |      |       |                |             |            |          |            |                        |    |                 |                |              |    |           |          |     |     |   |           |
|---------------|--|---------------------------------------|--|--------|------|-------|----------------|-------------|------------|----------|------------|------------------------|----|-----------------|----------------|--------------|----|-----------|----------|-----|-----|---|-----------|
| spec ref      |  | SEE NOTES                             |  |        | dr   |       | Shi Guang      |             | 2012/03/16 |          | projection |                        | MM |                 | size           |              | A4 |           | scale    |     | 1:1 |   |           |
| tolerance std |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |  |        | eng  |       | Luo Weller     |             | 2013/02/27 |          |            |                        |    |                 | ecn no         |              | -  |           |          |     |     |   |           |
| SEE NOTES     |  |                                       |  |        | chr  |       | -              |             | -          |          |            |                        |    |                 |                |              |    |           |          |     |     |   |           |
|               |  |                                       |  |        | appr |       | Pei-Ming Zheng |             | 2013/02/27 |          |            |                        |    |                 | product family |              |    |           | PwrBlade |     |     |   | rel level |
| surface       |  |                                       |  | linear |      | 0.X   |                | ±0.50       |            |          |            | title                  |    | 12S + 2P + 1ACP |                | dwg no       |    | 51915-348 |          | rev |     | A |           |
|               |  |                                       |  |        |      | 0.XX  |                | ±0.25       |            |          |            |                        |    |                 |                |              |    |           |          |     |     |   |           |
|               |  |                                       |  |        |      | 0.XXX |                | ±0.10       |            |          |            |                        |    |                 |                |              |    |           |          |     |     |   |           |
|               |  | angular                               |  | 0°     |      | ±2°   |                | www.fci.com |            | cat. no. |            | Product - Customer Drw |    |                 |                | sheet 1 of 4 |    |           |          |     |     |   |           |

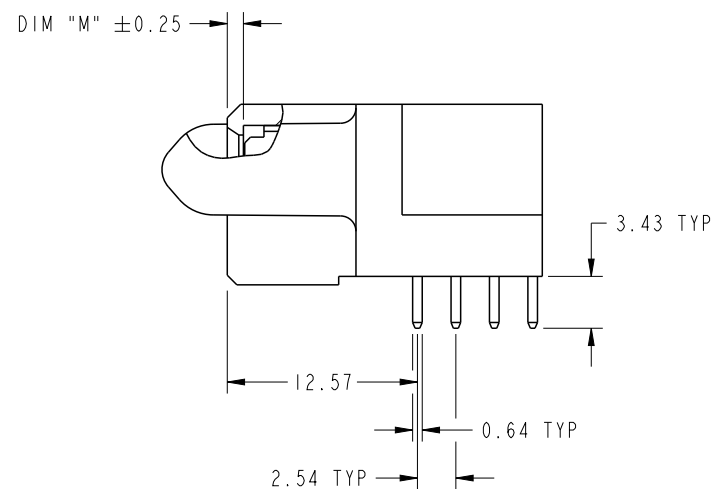
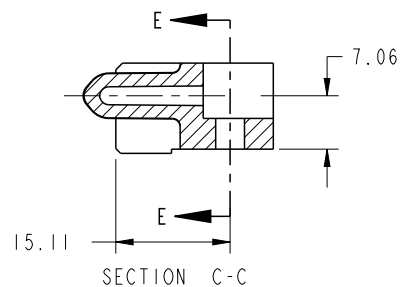
PrintE File - REV C - 2009-06-09

PRODUCT NUMBER

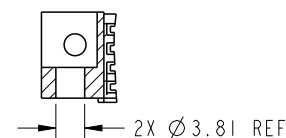
51915-348\_\_  
NOTE 3



BROKEN-OUT SECTION A-A  
SCALE 2:1



BROKEN-OUT SECTION B-B  
SCALE 2:1

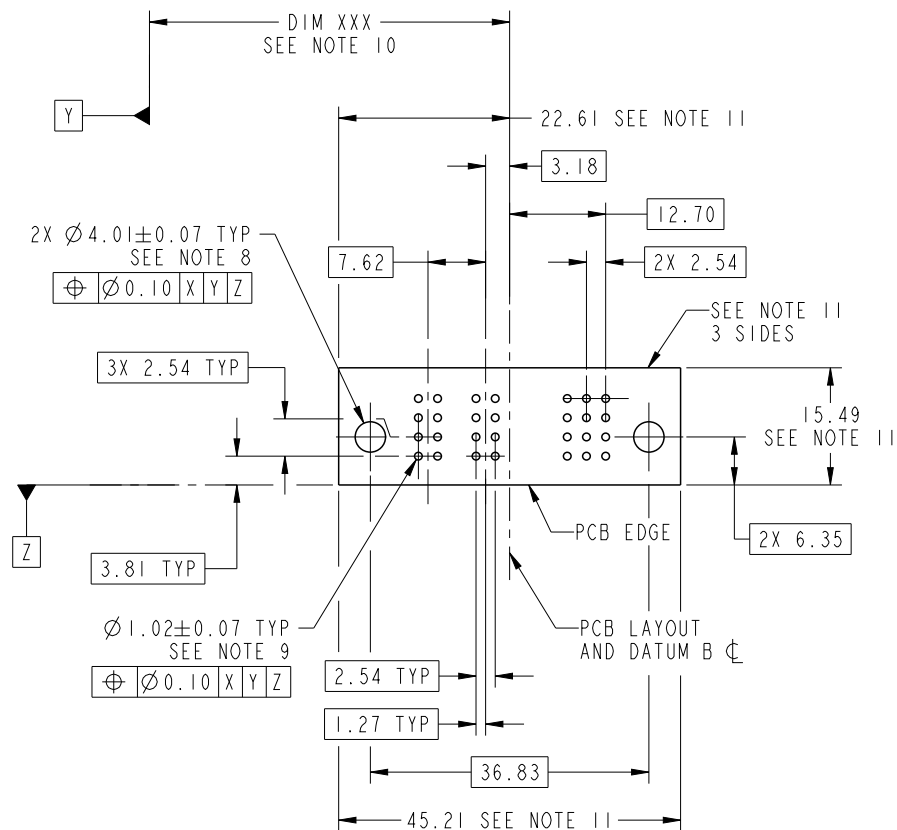


PARTIAL SECTION E-E

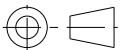
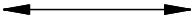
|             |                |            |                                   |                                          |           |          |        |              |           |  |     |   |
|-------------|----------------|------------|-----------------------------------|------------------------------------------|-----------|----------|--------|--------------|-----------|--|-----|---|
| dr          | Shi Guang      | 2012/03/16 | <div>projection</div> <div></div> | <div>MM</div> <div></div>                | size      | A4       | scale  | 1:1          |           |  |     |   |
| eng         | Luo Weller     | 2013/02/27 |                                   |                                          | ecn no    | -        |        |              |           |  |     |   |
| chr         | -              | -          |                                   |                                          | rel level | Released |        |              |           |  |     |   |
| appr        | Pei-Ming Zheng | 2013/02/27 | product family                    | PwrBlade                                 |           |          |        |              |           |  |     |   |
|             | title          |            |                                   | 12S + 2P + 1ACP<br>R/A SOLDER RECEPTACLE |           |          | dwg no |              | 51915-348 |  | rev | A |
|             |                |            |                                   |                                          |           |          |        |              |           |  |     |   |
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# PRODUCT NUMBER

51915-348\_\_  
NOTE 3



RECOMMENDED PCB LAYOUT

|                                                                                                |                |                                          |                                                                                                                        |                                                                                                                |                        |    |              |     |
|------------------------------------------------------------------------------------------------|----------------|------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|------------------------|----|--------------|-----|
| dr                                                                                             | Shi Guang      | 2012/03/16                               | <div>projection</div> <div></div> | <div>MM</div> <div></div> | size                   | A4 | scale        | 1:1 |
| eng                                                                                            | Luo Weller     | 2013/02/27                               |                                                                                                                        |                                                                                                                | ecn no                 | -  |              |     |
| chr                                                                                            | -              | -                                        |                                                                                                                        |                                                                                                                | rel level              |    | Released     |     |
| appr                                                                                           | Pei-Ming Zheng | 2013/02/27                               | product family                                                                                                         |                                                                                                                | PwrBlade               |    |              |     |
| <div></div> |                | title                                    |                                                                                                                        |                                                                                                                | dwg no                 |    | rev          |     |
| www.fci.com                                                                                    |                | cat. no.                                 |                                                                                                                        |                                                                                                                | Product - Customer Drw |    | sheet 3 of 4 |     |
|                                                                                                |                | 12S + 2P + 1ACP<br>R/A SOLDER RECEPTACLE |                                                                                                                        |                                                                                                                | 51915-348              |    | A            |     |



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PRODUCT NUMBER  
51915-348--  
NOTE 3

NOTES:

1. DIMENSIONS AND TOLERANCES ARE IN ACCORDANCE WITH  
ASME Y14.5M, 1994 UNLESS OTHERWISE SPECIFIED.

CONNECTOR NOTES:

2. HOUSING MATERIAL: UL 94 V-0 GLASS FILLED HIGH-TEMP THERMOPLASTIC  
POWER CONTACT MATERIAL: COPPER ALLOY  
SIGNAL PIN MATERIAL: COPPER ALLOY

3. SEE ITEM 5 & 6 IN PRINT 10064183 FOR PLATING SPEC OF 51915-348 AND 51915-348LF RESPECTIVELY.

4. MANUFACTURER'S NAME, DATE CODE AND OPTIONAL P/N TO APPEAR ON  
THIS SURFACE. THE P/N CAN BE OMITTED IF THERE IS NOT ENOUGH SPACE  
ON THIS SURFACE.

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

6. PACKAGED IN TRAYS.

PCB NOTES:

7. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.

8. MOUNTING HOLES, WHERE APPLICABLE, ARE UNPLATED.

9.  $\varnothing 1.151 \pm 0.025$  DRILLED HOLES PLATED WITH  
0.008 MIN SnPb OR Sn OVER 0.03  
TO 0.08 Cu PLATING TO ACHIEVE  
 $\varnothing 1.02 \pm .07$  HOLE.

10. "DIM XXX" TO BE DETERMINED BY THE CUSTOMER.

11. CONNECTOR KEEP-OUT ZONE.

12. THE VOID CORING IN BETWEEN POWER MODULES, SIGNAL  
MODULES AND END MODULES ARE OPTIONAL AND THE SHAPE  
MAY BE DIFFERENT FOR OPTIMIZE THE MOLDING PROCESS. THE  
VOID CORING WILL NOT EFFECT TO PRODUCT FUNCTION.

|             |                       |            |                        |               |           |              |       |          |
|-------------|-----------------------|------------|------------------------|---------------|-----------|--------------|-------|----------|
| dr          | Shi Guang             | 2012/03/16 | <div>projection</div>  | <div>MM</div> | size      | A4           | scale | 1:1      |
| eng         | Luo Weller            | 2013/02/27 |                        |               | ecn no    | -            |       |          |
| chr         | -                     | -          |                        |               |           |              |       |          |
| appr        | Pei-Ming Zheng        | 2013/02/27 | product family         |               | PwrBlade  | rel level    |       | Released |
|             | title                 |            |                        |               | dwg no    |              | rev   |          |
|             | 12S + 2P + 1ACP       |            |                        |               | 51915-348 |              | A     |          |
|             | R/A SOLDER RECEPTACLE |            |                        |               |           |              |       |          |
| www.fci.com | cat. no.              |            | Product - Customer Drw |               |           | sheet 4 of 4 |       |          |