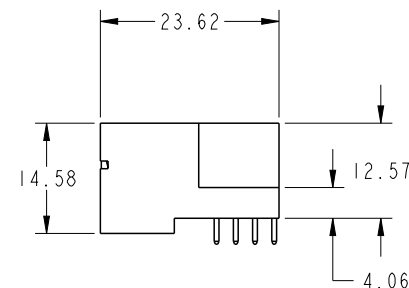
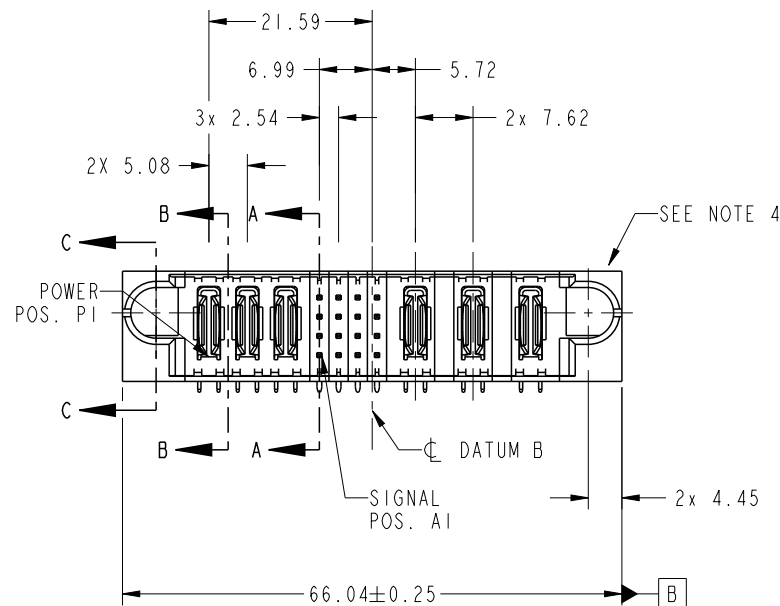
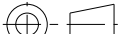


| PRODUCT NO.           | ROWS             | POWER                                                                             |                                                                                   |                                                                                   |                                                                                   | SIGNAL                                                                            |                                                                                   |                                                                                   |                                                                                   | POWER                                                                             |                                                                                     |                                                                                     | E2                                                                                  |
|-----------------------|------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                       |                  | E1                                                                                | P1                                                                                | P2                                                                                | P3                                                                                | 1                                                                                 | 2                                                                                 | 3                                                                                 | 4                                                                                 | P4                                                                                | P5                                                                                  | P6                                                                                  |                                                                                     |
| 51939-893--<br>NOTE 3 | D<br>C<br>B<br>A |  |  |  |  |  |  |  |  |  |  |  |  |
|                       |                  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |  |  |  |  |                                                                                   |                                                                                     |                                                                                     |                                                                                     |
|                       |                  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |  |  |  |  |                                                                                   |                                                                                     |                                                                                     |                                                                                     |
|                       |                  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |  |  |  |  |                                                                                   |                                                                                     |                                                                                     |                                                                                     |



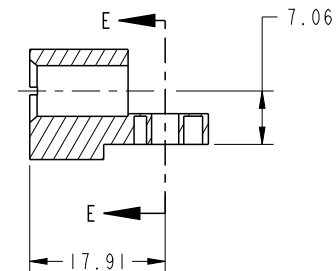
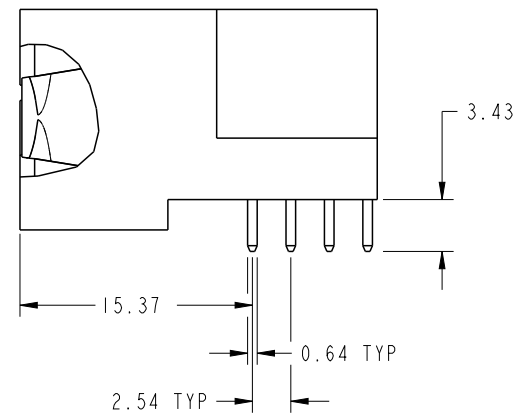
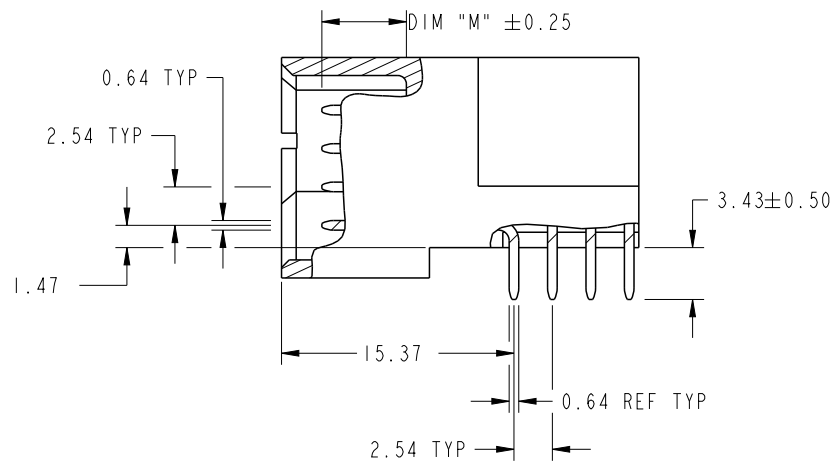
| CODE | DIM "M"<br>MATING<br>LENGTH | CONTACT<br>TYPE |
|------|-----------------------------|-----------------|
| F    | [5.59]                      | SIGNAL          |
| E    | [5.59]                      | SIGNAL          |
| T    | [6.86]                      | SIGNAL          |
| U    | [6.86]                      | SIGNAL          |
| H    | [5.59]                      | SIGNAL          |
| G    | [5.59]                      | SIGNAL          |
| PA   | [N/A]                       | POWER           |

|               |   |                                       |       |       |                                                                                     |                |                   |                                                                                       |    |                                                                                       |          |              |           |     |   |  |          |
|---------------|---|---------------------------------------|-------|-------|-------------------------------------------------------------------------------------|----------------|-------------------|---------------------------------------------------------------------------------------|----|---------------------------------------------------------------------------------------|----------|--------------|-----------|-----|---|--|----------|
| spec ref      |   | *                                     | dr    |       | Ruan MT                                                                             | 2014/06/20     | projection        |  | MM |  | size     | A4           | scale     | 1:1 |   |  |          |
| tolerance std |   | TOLERANCES UNLESS OTHERWISE SPECIFIED |       |       |                                                                                     | eng            |                   |                                                                                       |    |                                                                                       | Ruan MT  | 2014/07/03   | ecn no    |     |   |  | -        |
| ASME Y14.5    |   |                                       |       |       |                                                                                     | chr            |                   |                                                                                       |    |                                                                                       | -        | -            | rel level |     |   |  | Released |
|               |   | appr                                  |       |       |                                                                                     | Pei-Ming Zheng | 2014/07/03        | product family                                                                        |    |                                                                                       | PwrBlade |              |           |     |   |  |          |
| surface       | ✓ | linear                                | 0.X   | ±0.5  |  | title          | 3DCP + 16S + 3ACP |                                                                                       |    |                                                                                       | dwg no   | 51939-893    |           | rev | A |  |          |
|               |   |                                       | 0.XX  | ±0.25 |                                                                                     |                |                   |                                                                                       |    |                                                                                       |          |              |           |     |   |  |          |
|               |   |                                       | 0.XXX | ±0.1  |                                                                                     |                |                   |                                                                                       |    |                                                                                       |          |              |           |     |   |  |          |
| ASME Y14.5    |   | angular                               | 0°    | ±2°   | www.fci.com                                                                         | cat. no.       | -                 | Product - Customer Drw                                                                |    |                                                                                       |          | sheet 1 of 4 |           |     |   |  |          |

PrintE File - REV C - 2009-06-09

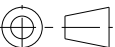
PRODUCT NUMBER

51939-893--  
NOTE: 3



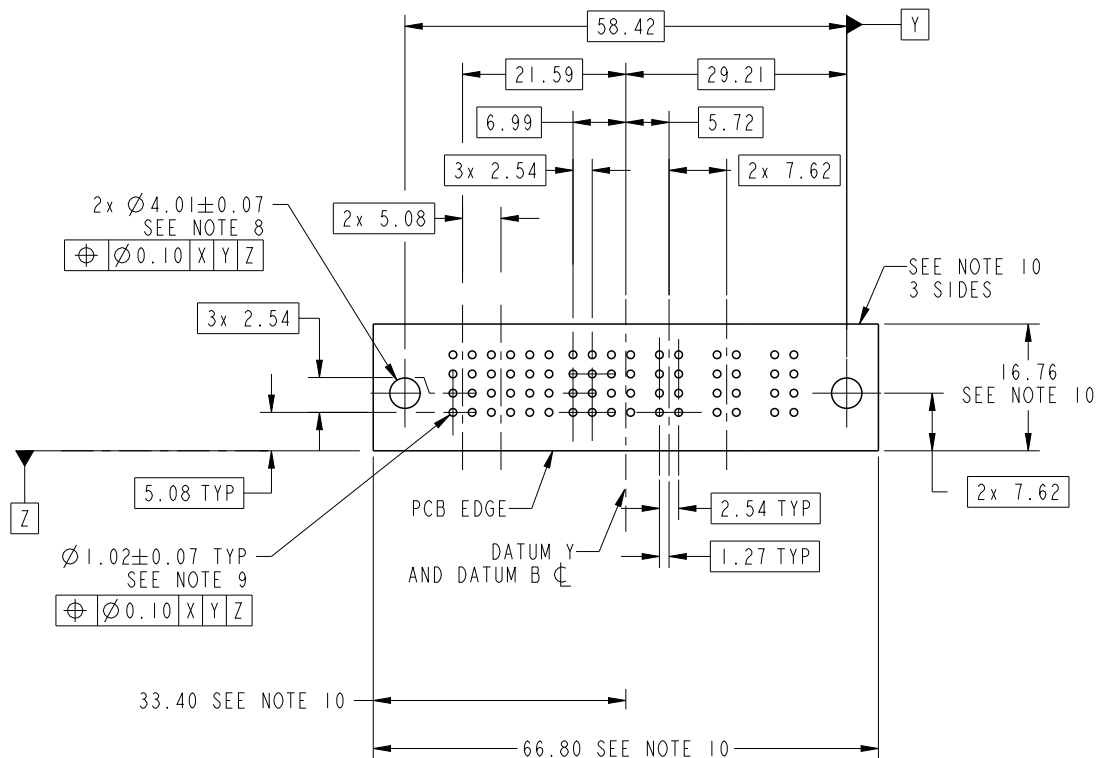
$\varnothing 2 \times 3.81$

SECTION C-C

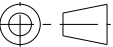
|                                                                                     |                |            |                                                                                                                        |                                                                                                                |                        |                        |           |              |
|-------------------------------------------------------------------------------------|----------------|------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|------------------------|------------------------|-----------|--------------|
| dr                                                                                  | Ruan MT        | 2014/06/20 | <div>projection</div> <div></div> | <div>MM</div> <div></div> | size                   | A4                     | scale     | 1:1          |
| eng                                                                                 | Ruan MT        | 2014/07/03 |                                                                                                                        |                                                                                                                | ecn no                 | -                      |           |              |
| chr                                                                                 | -              | -          |                                                                                                                        |                                                                                                                | rel level              | Released               |           |              |
| appr                                                                                | Pei-Ming Zheng | 2014/07/03 | product family                                                                                                         |                                                                                                                | PwrBlade               |                        |           |              |
|  |                | title      |                                                                                                                        |                                                                                                                | 3DCP + 16S + 3ACP      |                        | dwg no    |              |
|                                                                                     |                |            |                                                                                                                        |                                                                                                                | RIGHT ANGLE XXX HEADER |                        | 51939-893 |              |
|                                                                                     |                |            |                                                                                                                        |                                                                                                                |                        |                        | A         |              |
| www.fci.com                                                                         |                | cat. no.   |                                                                                                                        | -                                                                                                              |                        | Product - Customer Drw |           | sheet 2 of 4 |

PRODUCT NUMBER

51939-893\_\_  
NOTE: 3



RECOMMENDED PCB LAYOUT

|                                                                                     |                |            |                                                                                                                        |                                                                                                                |                        |                        |       |              |          |
|-------------------------------------------------------------------------------------|----------------|------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|------------------------|------------------------|-------|--------------|----------|
| dr                                                                                  | Ruan MT        | 2014/06/20 | <div>projection</div> <div></div> | <div>MM</div> <div></div> | size                   | A4                     | scale | 1:1          |          |
| eng                                                                                 | Ruan MT        | 2014/07/03 |                                                                                                                        |                                                                                                                | ecn no                 |                        |       |              | -        |
| chr                                                                                 | -              | -          |                                                                                                                        |                                                                                                                | rel level              |                        |       |              | Released |
| appr                                                                                | Pei-Ming Zheng | 2014/07/03 | product family                                                                                                         |                                                                                                                | PwrBlade               |                        |       |              |          |
|  |                | title      |                                                                                                                        |                                                                                                                | 3DCP + 16S + 3ACP      |                        |       | rev          |          |
|                                                                                     |                |            |                                                                                                                        |                                                                                                                | RIGHT ANGLE XXX HEADER |                        |       | A            |          |
| www.fci.com                                                                         |                | cat. no.   |                                                                                                                        | -                                                                                                              |                        | Product - Customer Drw |       | sheet 3 of 4 |          |



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|                        |
|------------------------|
| PRODUCT NUMBER         |
| 51939-893--<br>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 1 & 2 IN PRINT 10064183 FOR PLATING SPEC OF 51939-893 AND 51939-893LF RESPECTIVELY.
  - 4. MANUFACTURER'S NAME, DATE CODE AND OPTIONAL P/N TO APPEAR ON  
THIS SURFACE. THE MARK 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  
 $\varnothing 1.02 \pm 0.07$  HOLE.
  - 10. CONNECTOR KEEP-OUT ZONE.

|             |                |                        |                                   |                           |                   |           |              |        |          |     |
|-------------|----------------|------------------------|-----------------------------------|---------------------------|-------------------|-----------|--------------|--------|----------|-----|
| dr          | Ruan MT        | 2014/06/20             | <div>projection</div> <div></div> | <div>MM</div> <div></div> | size              | A4        | scale        | 1:1    |          |     |
| eng         | Ruan MT        | 2014/07/03             |                                   |                           | ecn no -          |           |              |        |          |     |
| chr         | -              | -                      |                                   |                           |                   |           |              |        |          |     |
| appr        | Pei-Ming Zheng | 2014/07/03             | product family                    |                           | PwrBlade          | rel level |              |        | Released |     |
| <div></div> |                | title                  |                                   |                           | 3DCP + 16S + 3ACP |           |              | dwg no |          | rev |
|             |                | RIGHT ANGLE XXX HEADER |                                   |                           | 51939-893         |           |              |        |          | A   |
| www.fci.com |                | cat. no.               |                                   | Product - Customer Drw    |                   |           | sheet 4 of 4 |        |          |     |