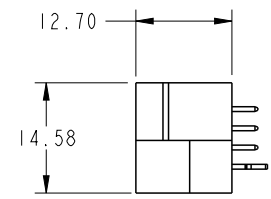
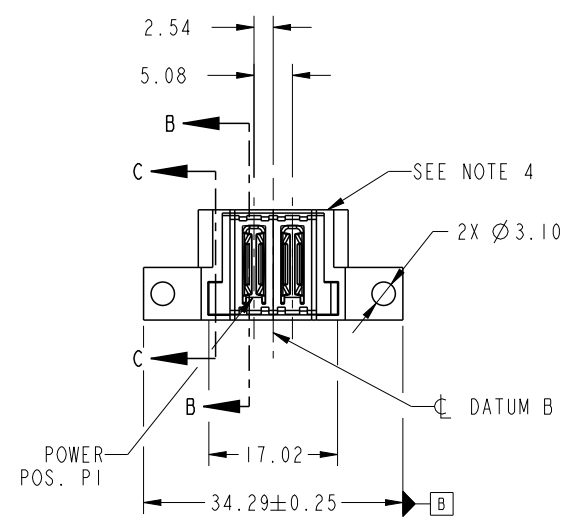
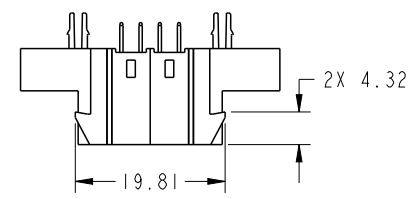




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|                       |       |    |    |    |
|-----------------------|-------|----|----|----|
| PRODUCT NO.           | POWER |    |    |    |
|                       | E1    | P1 | P2 | E2 |
| 51963-078--<br>NOTE ③ | HA    | PA | PA | HA |



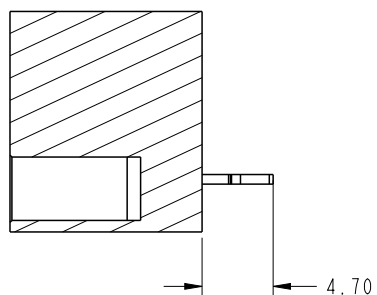
| CODE | DIM "M" MATING LENGTH | CONTACT TYPE |
|------|-----------------------|--------------|
| PA   | [N/A]                 | POWER        |
| HA   | [N/A]                 | HOLD-DOWN    |

|               |        |                                       |       |             |                |                                |                        |        |           |              |       |          |
|---------------|--------|---------------------------------------|-------|-------------|----------------|--------------------------------|------------------------|--------|-----------|--------------|-------|----------|
| spec ref      |        | SEE NOTES                             |       | dr          | X Q Wang       | 2012/05/14                     | projection<br>         | MM<br> | size      | A4           | scale | 1:1      |
| tolerance std |        | TOLERANCES UNLESS OTHERWISE SPECIFIED |       | eng         | X Q Wang       | 2012/05/18                     |                        |        | ecn no    | -            |       |          |
| SEE NOTES     |        |                                       |       | chr         | -              | -                              |                        |        | -         |              |       |          |
|               |        |                                       |       | appr        | Pei-Ming Zheng | 2012/05/22                     | product family         |        | PwrBlade  | rel level    |       | Released |
| surface ✓     | linear | 0.X                                   | ±0.50 |             | title          | 2DCP<br>VERTICAL SOLDER HEADER |                        | dwg no | 51963-078 |              | 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 |       |          |

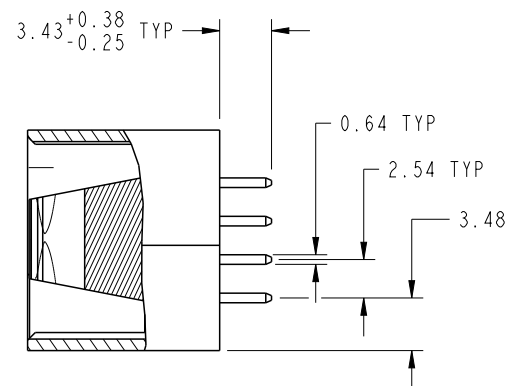
PrintE File - REV C - 2009-06-09

PRODUCT NUMBER

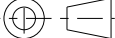
51963-078--  
NOTE 3



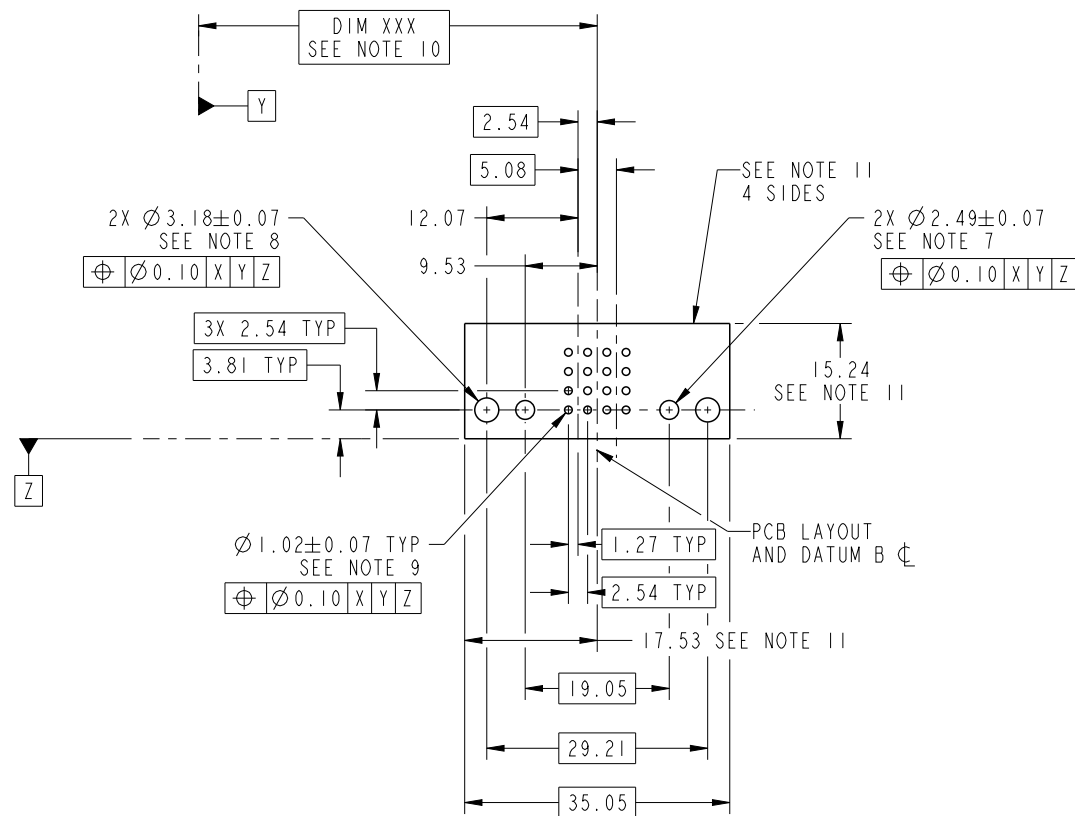
SECTION C-C  
SCALE 2:1

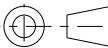
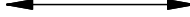


SECTION B-B  
SCALE 2:1

|                                                                                     |                |            |                                                                                                                        |                                                                                                                |                        |          |           |     |
|-------------------------------------------------------------------------------------|----------------|------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|------------------------|----------|-----------|-----|
| dr                                                                                  | X Q Wang       | 2012/05/14 | <div>projection</div> <div></div> | <div>MM</div> <div></div> | size                   | A4       | scale     | 1:1 |
| eng                                                                                 | X Q Wang       | 2012/05/18 |                                                                                                                        |                                                                                                                | ecn no                 | -        |           |     |
| chr                                                                                 | -              | -          |                                                                                                                        |                                                                                                                | rel level              | Released |           |     |
| appr                                                                                | Pei-Ming Zheng | 2012/05/22 | product family                                                                                                         |                                                                                                                | PwrBlade               |          |           |     |
|  |                | title      |                                                                                                                        |                                                                                                                | 2DCP                   |          | dwg no    |     |
|                                                                                     |                |            |                                                                                                                        |                                                                                                                | VERTICAL SOLDER HEADER |          | 51963-078 |     |
| www.fci.com                                                                         |                | cat. no.   |                                                                                                                        | Product - Customer Drw                                                                                         |                        |          | rev       |     |
|                                                                                     |                |            |                                                                                                                        |                                                                                                                |                        |          | A         |     |
|                                                                                     |                |            |                                                                                                                        | sheet 2 of 4                                                                                                   |                        |          |           |     |

PRODUCT NUMBER

51963-078--  
NOTE 3

|                                                                                     |                |            |                                                                                                                        |                                                                                                                |           |          |        |              |     |   |  |
|-------------------------------------------------------------------------------------|----------------|------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------|----------|--------|--------------|-----|---|--|
| dr                                                                                  | X Q Wang       | 2012/05/14 | <div>projection</div> <div></div> | <div>MM</div> <div></div> | size      | A4       | scale  | 1:1          |     |   |  |
| eng                                                                                 | X Q Wang       | 2012/05/18 |                                                                                                                        |                                                                                                                | ecn no    | -        |        |              |     |   |  |
| chr                                                                                 | -              | -          |                                                                                                                        |                                                                                                                | rel level | Released |        |              |     |   |  |
| appr                                                                                | Pei-Ming Zheng | 2012/05/22 | product family                                                                                                         |                                                                                                                | PwrBlade  |          |        |              |     |   |  |
|  |                | title      |                                                                                                                        |                                                                                                                | 2DCP      |          | dwg no | 51963-078    | rev | A |  |
| VERTICAL SOLDER HEADER                                                              |                |            |                                                                                                                        |                                                                                                                |           |          |        |              |     |   |  |
| www.fci.com                                                                         |                | cat. no.   |                                                                                                                        | Product - Customer Drw                                                                                         |           |          |        | sheet 3 of 4 |     |   |  |



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PRODUCT NUMBER  
51963-078\_\_  
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. PLATING:  
SEE ITEM 1 & 2 IN PRINT 10064183 FOR PLATING SPEC OF 51963-078; 51963-078LF PRESPECTIVELY
- 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 .001 [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.

|             |                        |            |                                   |                           |           |           |              |          |
|-------------|------------------------|------------|-----------------------------------|---------------------------|-----------|-----------|--------------|----------|
| dr          | X Q Wang               | 2012/05/14 | <div>projection</div> <div></div> | <div>MM</div> <div></div> | size      | A4        | scale        | 1:1      |
| eng         | X Q Wang               | 2012/05/18 |                                   |                           | ecn no    | -         |              |          |
| chr         | -                      | -          |                                   |                           |           |           |              |          |
| appr        | Pei-Ming Zheng         | 2012/05/22 | product family                    |                           | PwrBlade  | rel level |              | Released |
|             | title                  |            |                                   |                           | dwg no    |           | rev          |          |
|             | 2DCP                   |            |                                   |                           | 51963-078 |           | A            |          |
|             | VERTICAL SOLDER HEADER |            |                                   |                           |           |           |              |          |
| www.fci.com | cat. no.               |            | Product - Customer Drw            |                           |           |           | sheet 4 of 4 |          |