

## Excellent Integrated System Limited

Stocking Distributor

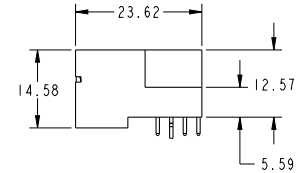
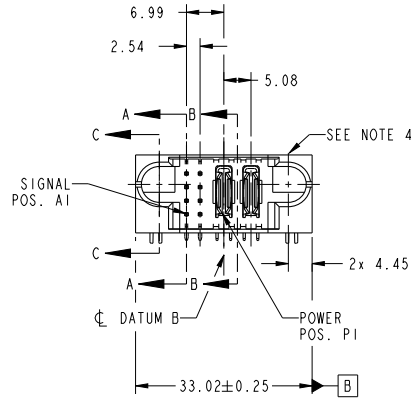
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[FCI](#)  
[51939-736LF](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

| PRODUCT NO.           | ROWS             | SIGPOWER |   |   |    |    |    |
|-----------------------|------------------|----------|---|---|----|----|----|
|                       |                  | E1       | 1 | 2 | P1 | P2 | E2 |
| 51939-736--<br>NOTE 3 | D<br>C<br>B<br>A |          |   |   |    |    |    |



| CODE | DIM "M"<br>MATING<br>LENGTH | CONTACT<br>TYPE |
|------|-----------------------------|-----------------|
| U    | [6.86]                      | SIGNAL          |
| T    | [6.86]                      | SIGNAL          |
| S    | [6.86]                      | SIGNAL          |
| R    | [6.86]                      | SIGNAL          |
| PA   | [N/A]                       | POWER           |
| HA   | [N/A]                       | HOLD-DOWN       |

|               |                                       |       |       |             |                |            |                |                           |                        |              |
|---------------|---------------------------------------|-------|-------|-------------|----------------|------------|----------------|---------------------------|------------------------|--------------|
| spec ref      | *                                     |       |       | dr          | Luo Weller     | 2013/01/25 | projection     | MM                        | size                   | scale        |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED |       |       | eng         | Luo Weller     | 2013/02/05 |                |                           | A4                     | 1:1          |
| SEE NOTE      |                                       |       |       | chr         | -              | -          |                |                           | ecn no                 | -            |
| surface       | linear                                | 0.X   | ±0.5  | appr        | Pei-Ming Zheng | 2013/02/05 | product family | PwrBlade                  | rel level              | Released     |
|               |                                       | 0.XX  | ±0.25 |             |                |            | title          | 8S+2DCP                   | dwg no                 | 51939-736    |
|               |                                       | 0.XXX | ±0.1  |             |                |            |                | RIGHT ANGLE SOLDER HEADER |                        | rev          |
|               | angular                               | 0°    | ±2°   | www.fci.com |                |            | cat. no.       | -                         | Product - Customer Drw | sheet 1 of 4 |

Print File : REV C - 2009-08-09

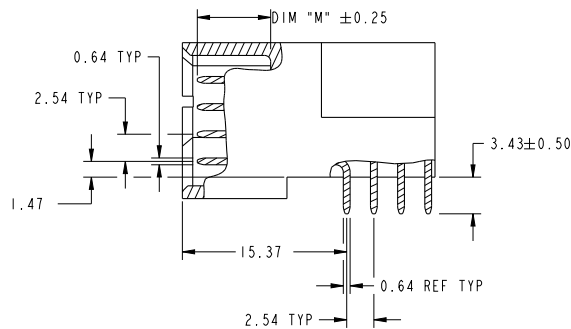
PDS: Rev :A

STATUS:Released

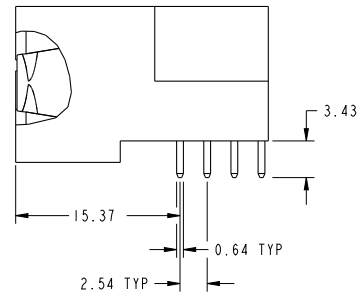
Printed: Feb 06, 2013

PRODUCT NUMBER

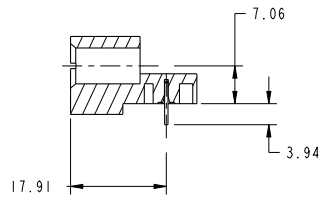
51939-736\_  
NOTE: 3



BROKEN-OUT SECTION A-A  
SCALE 2:1



BROKEN-OUT SECTION B-B  
SCALE 2:1



SECTION C-C

|                           |                |                                               |            |    |                     |          |                        |              |
|---------------------------|----------------|-----------------------------------------------|------------|----|---------------------|----------|------------------------|--------------|
| dr                        | Luo Weller     | 2013/01/25                                    | projection | MM | size                | A4       | scale                  | 1:1          |
| eng                       | Luo Weller     | 2013/02/05                                    |            |    | ecn no              | -        |                        |              |
| chr                       | -              | -                                             |            |    | product family      | PwrBlade | rel level              | Released     |
| appr                      | Pei-Ming Zheng | 2013/02/05                                    |            |    | cat. no.            | -        | Product - Customer Drw | sheet 2 of 4 |
| <b>FCI</b><br>www.fci.com |                | title<br>8S+2DCP<br>RIGHT ANGLE SOLDER HEADER |            |    | dwg no<br>51939-736 |          | rev<br>A               |              |
|                           |                |                                               |            |    |                     |          |                        |              |

Print File : REV C - 2009-08-09

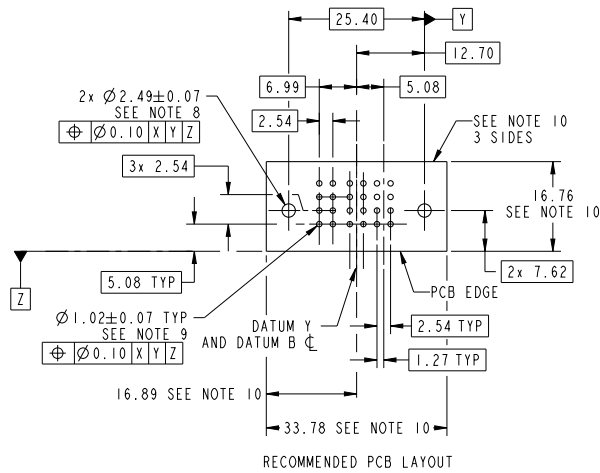
PDS: Rev :A

STATUS:Released

Printed: Feb 06, 2013

PRODUCT NUMBER

51939-736--  
NOTE: 3



RECOMMENDED PCB LAYOUT

|          |                |            |                           |          |           |              |        |           |
|----------|----------------|------------|---------------------------|----------|-----------|--------------|--------|-----------|
| dr       | Luo Weller     | 2013/01/25 | projection                | MM       | size      | A4           | scale  | 1:1       |
| eng      | Luo Weller     | 2013/02/05 |                           |          | ecn no    | -            |        |           |
| chr      | -              | -          |                           |          | rel level | Released     |        |           |
| appr     | Pei-Ming Zheng | 2013/02/05 | product family            | PwrBlade |           |              |        |           |
|          |                |            | title                     | 8S+2DCP  |           |              | dwg no | 51939-736 |
|          |                |            | RIGHT ANGLE SOLDER HEADER |          |           |              | rev    | A         |
| cat. no. |                |            | Product - Customer Drw    |          |           | sheet 3 of 4 |        |           |

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**PRODUCT NUMBER**

51939-736--  
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 51939-736 AND 51939-736LF 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          | Luo Weller     | 2013/01/25                | <div>projection</div> <div></div> | <div>MM</div> <div></div> | size           | A4           | scale    | 1:1       |  |
| eng         | Luo Weller     | 2013/02/05                |                                   |                           | ecn no         |              | -        |           |  |
| chr         | -              | -                         |                                   |                           | product family |              | PwrBlade | rel level |  |
| appr        | Pei-Ming Zheng | 2013/02/05                |                                   |                           |                |              |          |           |  |
|             | title          | 8S+2DCP                   |                                   |                           | dwg no         | 51939-736    |          | rev       |  |
|             |                | RIGHT ANGLE SOLDER HEADER |                                   |                           |                |              |          | A         |  |
| www.fci.com | cat. no.       | -                         | Product - Customer Drw            |                           |                | sheet 4 of 4 |          |           |  |

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