

## Excellent Integrated System Limited

Stocking Distributor

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

[FCI](#)  
[51750-057LF](#)

For any questions, you can email us directly:

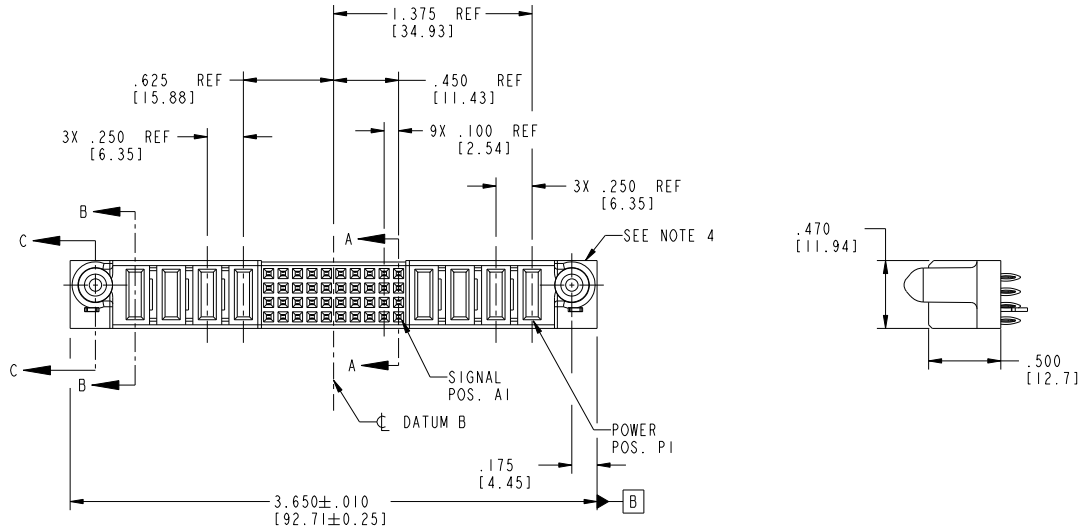
[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

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|                       |                  | 1   2                                                                             |    |    |    |    |        |    |    |    |    |    |    |    |    |    |       |    |    |    |    |                                                                                   |  |
|-----------------------|------------------|-----------------------------------------------------------------------------------|----|----|----|----|--------|----|----|----|----|----|----|----|----|----|-------|----|----|----|----|-----------------------------------------------------------------------------------|--|
| PRODUCT NO.           | ROWS             | POWER                                                                             |    |    |    |    | SIGNAL |    |    |    |    |    |    |    |    |    | POWER |    |    |    | E1 |                                                                                   |  |
|                       |                  | E2                                                                                | P8 | P7 | P6 | P5 | 10     | 9  | 8  | 7  | 6  | 5  | 4  | 3  | 2  | 1  | P4    | P3 | P2 | P1 |    |                                                                                   |  |
| 51750-057--<br>NOTE:③ | D<br>C<br>B<br>A |  | PF | PF | PC | PF | FF     | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF    | PC | PC | PF | PF |  |  |



| CODE | DIM "M"<br>MATING<br>LENGTH | CONTACT<br>TYPE |
|------|-----------------------------|-----------------|
| F    | N/A [N/A]                   | SIGNAL          |
| PC   | .042 [1.07]                 | POWER           |
| PF   | .092 [2.34]                 | POWER           |
| HA   | N/A [N/A]                   | HOLD-DOWN       |

| mat'l code  |           |     |          | SEE NOTE 2 |           |     |          | tolerances unless otherwise specified |                     |            |     | CUSTOMER       |  | FCI         |  | www.fciconnect.com |  |
|-------------|-----------|-----|----------|------------|-----------|-----|----------|---------------------------------------|---------------------|------------|-----|----------------|--|-------------|--|--------------------|--|
| ltr         | ech no.   | dr  | date     | ltr        | ech no.   | dr  | date     | linear                                | .XX±.01/0.X±0.3     | projection | 1:1 | COPY           |  | title       |  | 4P + 40S + 4P      |  |
| A           | V04-0116  | DAI | 02/11/04 | B          | V04-0333  | TAB | 04/06/04 | angles                                | .XXX±.005/0.XX±0.13 | INCH/MM    |     | product family |  | PwrBlade    |  | code               |  |
| C           | DG05-0216 | SJ  | 07/11/05 | D          | DG08-0251 | WD  | 09/13/08 | dr                                    | D. INGRAM 02/11/04  | scale      |     | size           |  | A 51750-057 |  | sheet              |  |
|             |           |     |          |            |           |     |          | enr                                   | M. GRAY 02/11/04    | 1:1        |     | dwg no         |  | 213         |  | 1 of 4             |  |
|             |           |     |          |            |           |     |          | chr                                   | M. GRAY 02/11/04    |            |     |                |  |             |  |                    |  |
|             |           |     |          |            |           |     |          | appd                                  | M. GRAY 02/11/04    |            |     |                |  |             |  |                    |  |
| sheet index | revision  | D   | D        | D          | D         | D   | D        |                                       |                     |            |     |                |  |             |  |                    |  |
|             | sheet     | 1   | 2        | 3          | 4         |     |          |                                       |                     |            |     |                |  |             |  |                    |  |

Pro/E

PDM: Rev:D

STATUS: Released

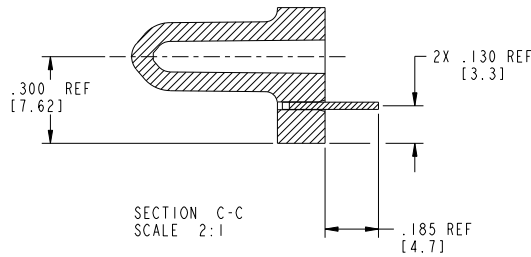
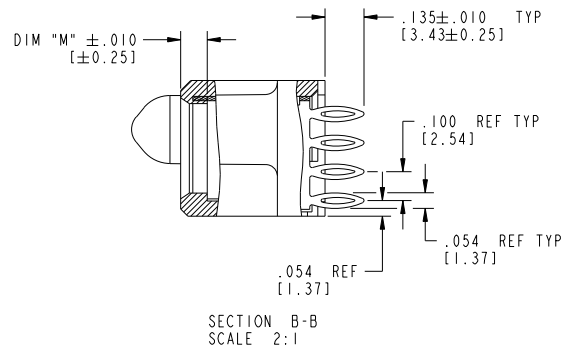
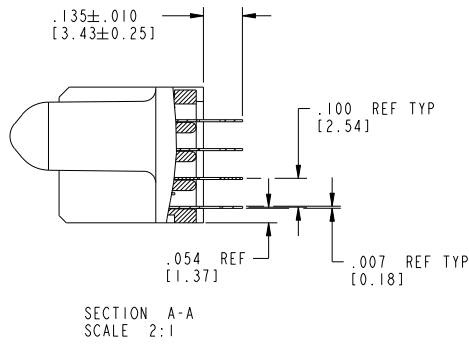
Printed: Dec 20, 2010

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PRODUCT NUMBER  
51750-057--  
NOTE: ①



|             |                |    |      |        |                                                                          |            |                           |               |
|-------------|----------------|----|------|--------|--------------------------------------------------------------------------|------------|---------------------------|---------------|
| mat'l code  | SEE NOTE 2     |    |      |        | tolerances unless otherwise specified                                    | CUSTOMER   | www.fciconnect.com        |               |
| ltr         | ech no.        | dr | date | linear | .XX±.01/0.X±0.3<br>.XXX±.005/0.XX±0.13<br>.XXXX±.0020/0.XXX±0.051<br>0°± | COPY       |                           |               |
| D           |                |    |      | angles |                                                                          | projection | title                     | 4P + 40S + 4P |
|             |                |    |      | dr     | D. INGRAM 02/11/04                                                       | INCH/MM    | VERTICAL PRESS-FIT RECEPT |               |
|             |                |    |      | enr    | M. GRAY 02/11/04                                                         | scale      | product family            | PwrBlade      |
|             |                |    |      | chr    | M. GRAY 02/11/04                                                         | 1:1        | size                      | dwg no        |
|             |                |    |      | appd   | M. GRAY 02/11/04                                                         |            | A                         | 51750-057     |
| sheet index | revision sheet |    |      |        |                                                                          |            | code                      | 213           |
|             |                |    |      |        |                                                                          |            | sheet                     | 2 of 4        |

Pro/E

PDM: Rev:D

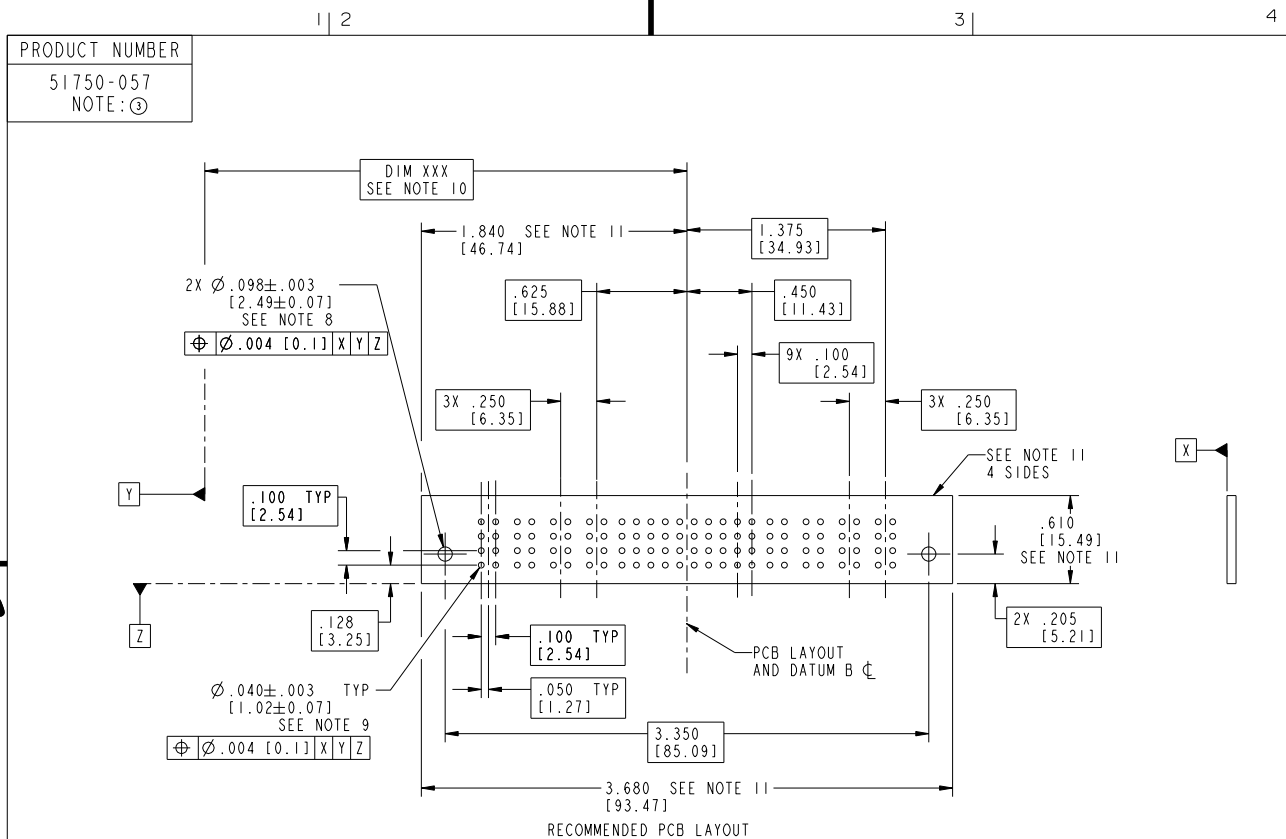
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|             |         |          |      |            |                                                                                                             |                                       |                                                                                       |          |                                                                                       |                                                                                       |          |                    |  |
|-------------|---------|----------|------|------------|-------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------------------------------------------------------|----------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------|--------------------|--|
| mat'l code  |         |          |      | SEE NOTE 2 |                                                                                                             | tolerances unless otherwise specified |                                                                                       | CUSTOMER |                                                                                       |  |          | www.fciconnect.com |  |
| lfr         | ecn no. | dr       | date | linear     | $XX \pm .010 / 0 . XX \pm 0.3$<br>$XXX \pm .005 / 0 . XXX \pm 0.13$<br>$XXXX \pm .0020 / 0 . XXX \pm 0.051$ |                                       | COPY                                                                                  |          |  | title                                                                                 |          |                    |  |
| D           |         |          |      |            |                                                                                                             |                                       | projection                                                                            |          |                                                                                       | 4P + 40S + 4P                                                                         |          |                    |  |
|             |         |          |      | angles     | $0^\circ \pm 2^\circ$                                                                                       |                                       |  |          | VERTICAL PRESS-FIT RECEPTOR                                                           |                                                                                       |          |                    |  |
|             |         |          |      | dr         | D. INGRAM                                                                                                   | 02/11/04                              | INCH/MM                                                                               |          | product family                                                                        |                                                                                       | PwrBlade | code               |  |
|             |         |          |      | engr       | M. GRAY                                                                                                     | 02/11/04                              | scale                                                                                 |          | size                                                                                  | dwg no                                                                                | 213      | sheet              |  |
|             |         |          |      | chr        | M. GRAY                                                                                                     | 02/11/04                              | 1:1                                                                                   |          | A                                                                                     | 51750-057                                                                             | 3        | of 4               |  |
|             |         |          |      | appd       | M. GRAY                                                                                                     | 02/11/04                              |                                                                                       |          |                                                                                       |                                                                                       |          |                    |  |
| sheet index |         | revision |      | checkbox   |                                                                                                             |                                       |                                                                                       |          |                                                                                       |                                                                                       |          |                    |  |

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PDM: Rev: 3

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1 | 2

3 |

4

**PRODUCT NUMBER**

51750-057\_-  
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 7 & 8 IN PRINT 10064183 FOR PLATING SPEC OF 51750-057 AND 51750-057LF RESPECTIVELY.

④ MANUFACTURER'S NAME, P/N, AND DATE CODE TO APPEAR 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  $\varnothing .0453 \pm .0010$  [1.151  $\pm$  0.025] DRILLED HOLES PLATED WITH  
.0003 [0.008] MIN SnPb OVER .001 [0.03]  
TO .003 [0.08] Cu PLATING TO ACHIEVE  
 $\varnothing .040 \pm .003$  [1.02  $\pm$  .07] HOLE.

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

⑪ CONNECTOR KEEP-OUT ZONE.

12. A ⚠ SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED  
WITH THE CURRENT DRAWING REVISION.

| mat'l code  |                |    |      | SEE NOTE 2 |         | tolerances unless otherwise specified |          | CUSTOMER |            | FCI                       |                    |
|-------------|----------------|----|------|------------|---------|---------------------------------------|----------|----------|------------|---------------------------|--------------------|
| ltr         | ech no.        | dr | date | linear     | angular | linear                                | angular  | COPY     | projection | title                     | www.fciconnect.com |
| D           |                |    |      |            |         | .XX $\pm$ .01 / 0.X $\pm$ 0.3         |          |          |            | 4P + 40S + 4P             |                    |
|             |                |    |      |            |         | .XXX $\pm$ .005 / 0.XX $\pm$ 0.13     |          |          |            | VERTICAL PRESS-FIT RECEPT |                    |
|             |                |    |      |            |         | .XXXX $\pm$ .0020 / 0.XXX $\pm$ 0.051 |          |          |            | product family PwrBlade   | code 213           |
|             |                |    |      | dr         |         | D. INGRAM                             | 02/11/04 |          |            | size                      | sheet 4 of 4       |
|             |                |    |      | enr        |         | M. GRAY                               | 02/11/04 |          |            | dwg no                    |                    |
|             |                |    |      | chr        |         | M. GRAY                               | 02/11/04 |          |            | A                         | 51750-057          |
|             |                |    |      | appd       |         | M. GRAY                               | 02/11/04 |          |            | scale                     |                    |
|             |                |    |      |            |         |                                       |          |          |            | 1:1                       |                    |
| sheet index | revision sheet |    |      |            |         |                                       |          |          |            |                           |                    |

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Pro/E

**PDM: Rev: D**

STATUS: **Released**

code code 22526 Printed: Dec 20, 2010