

## Excellent Integrated System Limited

Stocking Distributor

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[FCI](#)  
[51730-179LF](#)

For any questions, you can email us directly:

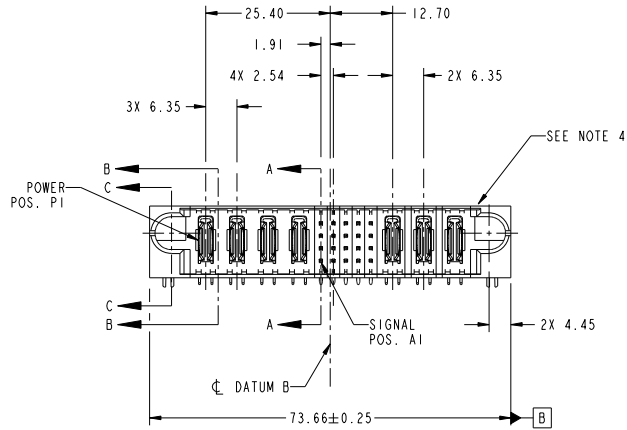
[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

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| PRODUCT NO.           | ROWS             | POWER                                                                             |    |    |    | SIGNAL |   |   |   |   | POWER |    |    |    |                                                                                   |
|-----------------------|------------------|-----------------------------------------------------------------------------------|----|----|----|--------|---|---|---|---|-------|----|----|----|-----------------------------------------------------------------------------------|
|                       |                  | E1                                                                                | P1 | P2 | P3 | P4     | 1 | 2 | 3 | 4 | 5     | P5 | P6 |    | P7                                                                                |
| 51730-179--<br>NOTE 3 | D<br>C<br>B<br>A |  | PA | PA | PA | PA     | H | H | H | H | H     | PA | PA | PA |  |
|                       |                  |  | V  | V  | V  | V      | V | V | V | V | V     | V  | V  | V  |  |



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

| mat'l code  |                |    |          | SEE NOTE |             | tolerances unless<br>otherwise specified |  | CUSTOMER       |                           |
|-------------|----------------|----|----------|----------|-------------|------------------------------------------|--|----------------|---------------------------|
| lfr         | ecn no.        | dr | date     |          |             | 0.X ±0.5                                 |  | COPY           |                           |
| A           | DG10-0259      | AL | 07/12/10 | linear   |             | 0.XX ±0.25                               |  | projection     | title                     |
|             |                |    |          |          |             | 0.XXX ±0.1                               |  |                | 4P + 20S + 3P             |
|             |                |    |          | angles   |             | 0° ±2°                                   |  | MM             | RIGHT ANGLE SOLDER HEADER |
|             |                |    |          | dr       | Anson Liu   | 07/12/10                                 |  | product family | PwrBlade                  |
|             |                |    |          | engr     | Jerome Chen | 07/12/10                                 |  | size           | dwg no                    |
|             |                |    |          | chr      | PW ZHENG    | 07/12/10                                 |  | A              | 51730-179                 |
|             |                |    |          | appd     | JOSEPH HSIA | 07/12/10                                 |  | scale          | 1:1                       |
| sheet index | revision sheet | A  | A        | A        | A           | A                                        |  |                |                           |
|             |                | 1  | 2        | 3        | 4           |                                          |  |                |                           |

Pro/E

cage code 22526

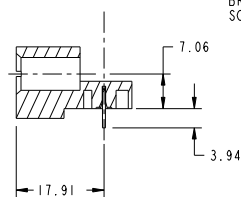
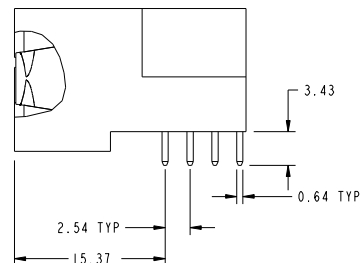
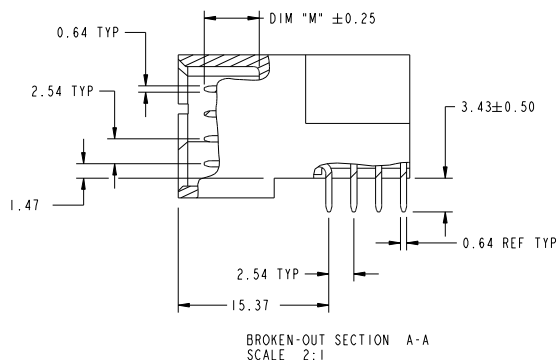
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**PRODUCT NUMBER**

51730-179-  
NOTE: 3



| mat'l code  |                |    |      | SEE NOTE |             | tolerances unless otherwise specified |  | CUSTOMER   |     | FCI                |                           |
|-------------|----------------|----|------|----------|-------------|---------------------------------------|--|------------|-----|--------------------|---------------------------|
| ltr         | ecn no.        | dr | date |          |             |                                       |  | COPY       |     | www.fciconnect.com |                           |
| A           |                |    |      | linear   |             | 0.X $\pm 0.5$                         |  | projection |     | title              | 4P + 20S + 3P             |
|             |                |    |      |          |             | 0.XX $\pm 0.25$                       |  |            |     |                    | RIGHT ANGLE SOLDER HEADER |
|             |                |    |      | angles   |             | 0.XXX $\pm 0.1$                       |  |            |     | product family     | PwrBlade                  |
|             |                |    |      | dr       | Anson Liu   | 07/12/10                              |  | MM         |     | size               | 213                       |
|             |                |    |      | engr     | Jerome Chen | 07/12/10                              |  | scale      | 1:1 | dwg no             | 51730-179                 |
|             |                |    |      | chr      | PM ZHENG    | 07/12/10                              |  |            |     | sheet              | 2 of 4                    |
|             |                |    |      | appd     | JOSEPH HSIA | 07/12/10                              |  |            |     | code               |                           |
| sheet index | revision sheet |    |      |          |             |                                       |  |            |     | cage code          | 22526                     |

Pro/E

PDM: Rev:A

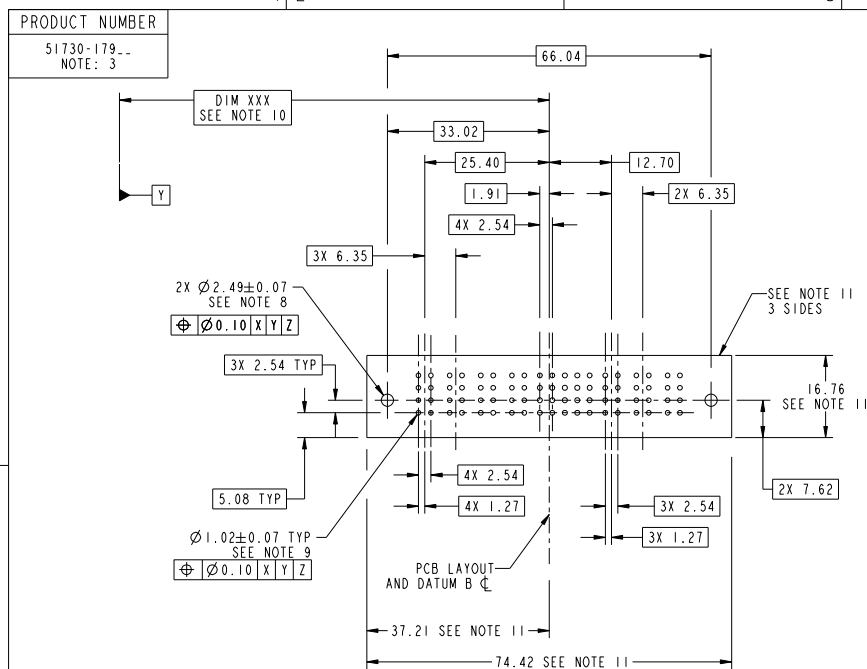
STATUS: Released

Printed: Dec 20, 2010

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RECOMMENDED PCB LAYOUT

| mat'l code  |          |       |      | SEE NOTE |             | tolerances unless otherwise specified |  | CUSTOMER   |     | FCI                |  |
|-------------|----------|-------|------|----------|-------------|---------------------------------------|--|------------|-----|--------------------|--|
| litr        | ecn no.  | dr    | date |          |             | 0.X ±0.5                              |  | COPY       |     | www.fciconnect.com |  |
| A           |          |       |      | linear   |             | 0.XX ±0.25                            |  | projection |     |                    |  |
|             |          |       |      |          |             | 0.XXX ±0.1                            |  |            |     |                    |  |
|             |          |       |      | angles   |             | 0° ±2°                                |  |            |     |                    |  |
|             |          |       |      | dr       | Anson Liu   | 07/12/10                              |  |            |     |                    |  |
|             |          |       |      | engr     | Jerome Chen | 07/12/10                              |  |            |     |                    |  |
|             |          |       |      | chr      | FW ZHENG    | 07/12/10                              |  |            |     |                    |  |
|             |          |       |      | appd     | JOSEPH HSIA | 07/12/10                              |  |            |     |                    |  |
| sheet index | revision | sheet |      |          |             |                                       |  | scale      | 1:1 |                    |  |
|             |          |       |      |          |             |                                       |  |            |     |                    |  |

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cage code 22526

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**PRODUCT NUMBER**

51730-179-  
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 51730-179 AND 51730-179LF 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  
 $\varnothing 1.02 \pm 0.07$  HOLE.
10. "DIM XXX" TO BE DETERMINED BY THE CUSTOMER.
11. CONNECTOR KEEP-OUT ZONE.

| mat'l code  |                |    |      | SEE NOTE |             | tolerances unless otherwise specified |  | CUSTOMER   |  | FCI                       |  |
|-------------|----------------|----|------|----------|-------------|---------------------------------------|--|------------|--|---------------------------|--|
| ltr         | ecn no.        | dr | date |          |             |                                       |  | COPY       |  | www.fciconnect.com        |  |
| A           |                |    |      | linear   |             | $0.X \pm 0.5$                         |  | projection |  | title                     |  |
|             |                |    |      |          |             | $0.XX \pm 0.25$                       |  |            |  | 4P + 20S + 3P             |  |
|             |                |    |      | angles   |             | $0.XXX \pm 0.1$                       |  |            |  | RIGHT ANGLE SOLDER HEADER |  |
|             |                |    |      |          |             | $0^\circ \pm 2^\circ$                 |  |            |  | product family            |  |
|             |                |    |      | dr       | Anson Liu   | 07/12/10                              |  | MM         |  | PwrBlade                  |  |
|             |                |    |      | engr     | Jerome Chen | 07/12/10                              |  | scale      |  | size                      |  |
|             |                |    |      | chr      | FW ZHENG    | 07/12/10                              |  | 1:1        |  | dwg no                    |  |
|             |                |    |      | appd     | JOSEPH HSIA | 07/12/10                              |  |            |  | 51730-179                 |  |
| sheet index | revision sheet |    |      |          |             |                                       |  |            |  | code                      |  |
|             |                |    |      |          |             |                                       |  |            |  | 213 sheet                 |  |
|             |                |    |      |          |             |                                       |  |            |  | 4 of 4                    |  |

cage code 22526