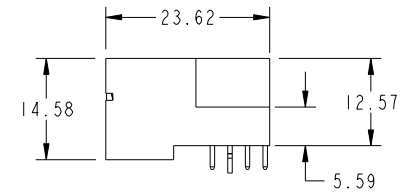
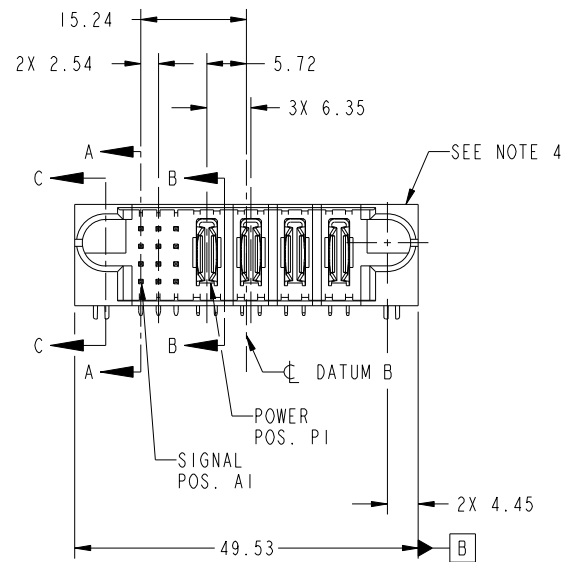


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| PRODUCT NO.            | ROWS    |        |   |   |       |    |    |    |    |    |  |
|------------------------|---------|--------|---|---|-------|----|----|----|----|----|--|
|                        |         | SIGNAL |   |   | POWER |    |    |    |    |    |  |
| 51731-055_ _<br>NOTE 3 | D C B A | E1     | 1 | 2 | 3     | P1 | P2 | P3 | P4 | E2 |  |
|                        |         |        |   |   |       |    |    |    |    |    |  |



| 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       |
| E    | [5.59]                      | SIGNAL          |
| UL   | [7.82]                      | SIGNAL          |

| mat'l code  |                |    |          | SEE NOTE |             | tolerances unless otherwise specified |  | CUSTOMER   |  | FCI                       |           |
|-------------|----------------|----|----------|----------|-------------|---------------------------------------|--|------------|--|---------------------------|-----------|
| ltr         | ecn no.        | dr | date     |          |             |                                       |  | COPY       |  | www.fciconnect.com        |           |
| A           | DG09-0107      | WD | 04/08/09 | linear   |             | 0.X ±0.5                              |  | projection |  | title                     | 12S + 4P  |
|             |                |    |          | angles   |             | 0.XX ±0.25                            |  |            |  | RIGHT ANGLE SOLDER HEADER |           |
|             |                |    |          |          |             | 0.XXX ±0.1                            |  |            |  | product family            | PwrBlade  |
|             |                |    |          | dr       | Warren Du   | 02/12/09                              |  | MIM        |  | code                      | 213       |
|             |                |    |          | enr      | Warren Du   | 02/12/09                              |  | scale      |  | size                      | dwg no    |
|             |                |    |          | chr      | Gary Hsieh  | 02/12/09                              |  | 1:1        |  | A                         | 51731-055 |
|             |                |    |          | appd     | JOSEPH HSIA | 02/12/09                              |  |            |  | sheet                     | 1 of 4    |
| sheet index | revision sheet | A  | A        | A        | A           |                                       |  |            |  |                           |           |
|             |                | 1  | 2        | 3        | 4           |                                       |  |            |  |                           |           |

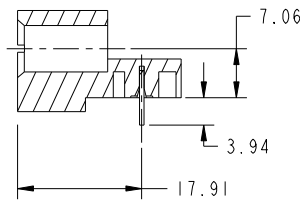
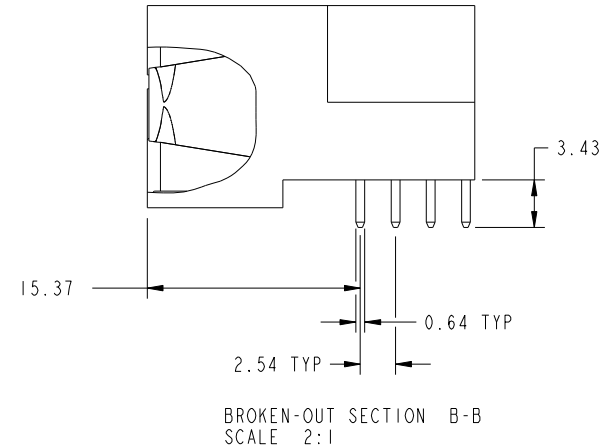
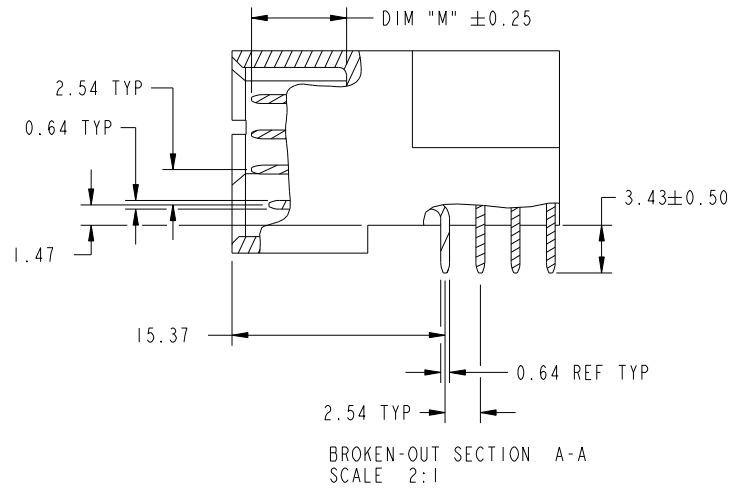
cage code 22526

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PRODUCT NUMBER  
51731-055--  
NOTE: 3



| mat'l code  |                |    |      | SEE NOTE |  | tolerances unless otherwise specified |                      | CUSTOMER   |           | FCI                       |          |
|-------------|----------------|----|------|----------|--|---------------------------------------|----------------------|------------|-----------|---------------------------|----------|
| ltr         | ecn no.        | dr | date |          |  | linear                                | 0.X ±0.5             | COPY       |           | www.fciconnect.com        |          |
| A           |                |    |      |          |  | linear                                | 0.XX ±0.25           | projection |           | title 12S + 4P            |          |
|             |                |    |      |          |  | angles                                | 0.XXX ±0.1           |            |           | RIGHT ANGLE SOLDER HEADER |          |
|             |                |    |      |          |  | angles                                | 0° ±2°               |            |           |                           |          |
|             |                |    |      |          |  | dr                                    | Warren Du 02/12/09   | MIM        | scale 1:1 | product family PwrBlade   |          |
|             |                |    |      |          |  | enrg                                  | Warren Du 02/12/09   |            |           | size                      | code 213 |
|             |                |    |      |          |  | chr                                   | Gary Hsieh 02/12/09  |            |           | dwg no                    | sheet    |
|             |                |    |      |          |  | appd                                  | JOSEPH HSIA 02/12/09 |            |           | 51731-055                 | 2 of 4   |
| sheet index | revision sheet |    |      |          |  |                                       |                      |            |           |                           |          |

cage code 22526

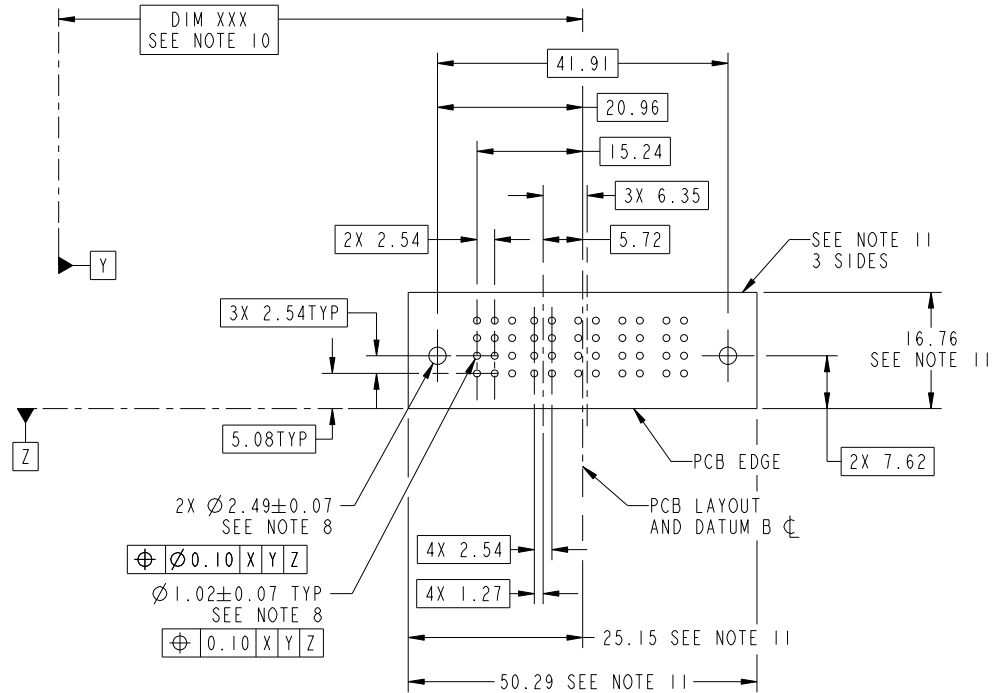
Pro/E

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PRODUCT NUMBER  
51731-055\_-  
NOTE: 3



RECOMMENDED PCB LAYOUT

| mat'l code  |                |    |      | SEE NOTE |             | tolerances unless otherwise specified |  | CUSTOMER   |  | FCI                       |              |
|-------------|----------------|----|------|----------|-------------|---------------------------------------|--|------------|--|---------------------------|--------------|
| litr        | ecn no.        | dr | date |          |             |                                       |  | COPY       |  | www.fciconnect.com        |              |
| A           |                |    |      | linear   |             | 0.X ±0.5                              |  | projection |  | title 12S + 4P            |              |
|             |                |    |      |          |             | 0.XX ±0.25                            |  |            |  | RIGHT ANGLE SOLDER HEADER |              |
|             |                |    |      | angles   |             | 0.XXX ±0.1                            |  |            |  |                           |              |
|             |                |    |      |          |             | 0° ±2°                                |  |            |  |                           |              |
|             |                |    |      | dr       | Warren Du   | 02/12/09                              |  | MIM        |  | product family            | PwrBlade     |
|             |                |    |      | enrg     | Warren Du   | 02/12/09                              |  |            |  | code                      | 213          |
|             |                |    |      | chr      | Gary Hsieh  | 02/12/09                              |  | scale      |  | size                      | dwg no       |
|             |                |    |      | appd     | JOSEPH HSIA | 02/12/09                              |  | 1:1        |  | A                         | 51731-055    |
| sheet index | revision sheet |    |      |          |             |                                       |  |            |  |                           | sheet 3 of 4 |

Pro/E

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| PRODUCT NUMBER         |
|------------------------|
| 51731-055_-<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 51731-055 AND 51731-055LF 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.  $\varnothing 1.151 \pm 0.025$  DRILLED HOLES PLATED WITH  
0.008 MIN SnPb OR Sn OVER 0.03  
TO 0.08 Cu PLATING TO ACHIEVE  
 $\varnothing 1.02 \pm .07$  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 12S + 4P            |        |
|             |                |    |      |          |             | $0.XX \pm 0.25$                       |  |            |  | RIGHT ANGLE SOLDER HEADER |        |
|             |                |    |      | angles   |             | $0.XXX \pm 0.1$                       |  |            |  |                           |        |
|             |                |    |      |          |             | $0^\circ \pm 2^\circ$                 |  |            |  | product family PwrBlade   |        |
|             |                |    |      | dr       | Warren Du   | 02/12/09                              |  | scale      |  | size                      | code   |
|             |                |    |      | enrg     | Warren Du   | 02/12/09                              |  |            |  | dwg no                    | 213    |
|             |                |    |      | chr      | Gary Hsieh  | 02/12/09                              |  |            |  | A                         | sheet  |
|             |                |    |      | appd     | JOSEPH HSIA | 02/12/09                              |  |            |  |                           | 4 of 4 |
| sheet index | revision sheet |    |      |          |             |                                       |  |            |  |                           |        |

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