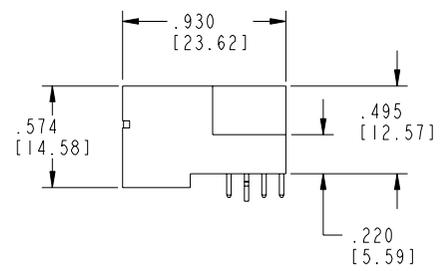
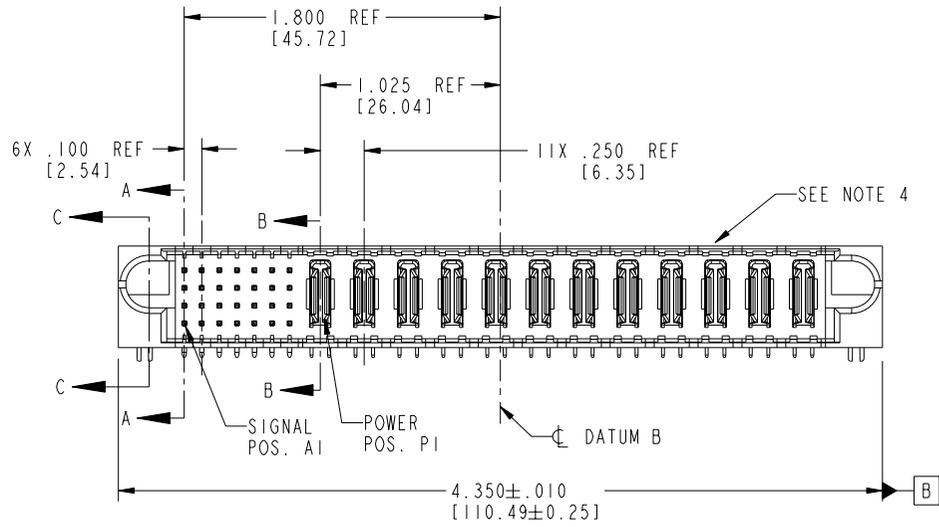
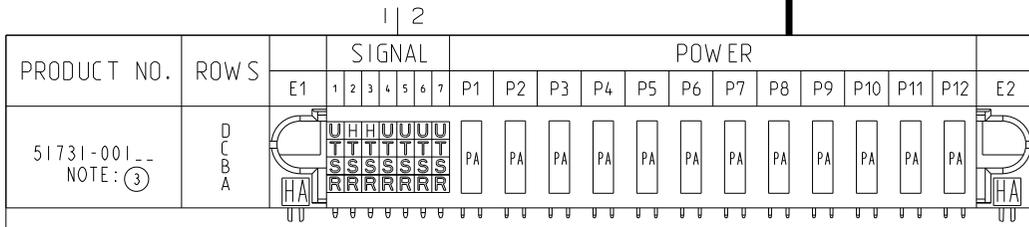


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| CODE | DIM "M" MATING LENGTH | CONTACT TYPE |
|------|-----------------------|--------------|
| H | .220 [5.59] | SIGNAL |
| R | .270 [6.86] | SIGNAL |
| S | .270 [6.86] | SIGNAL |
| T | .270 [6.86] | SIGNAL |
| U | .270 [6.86] | SIGNAL |
| PA | N/A [N/A] | POWER |
| HA | N/A [N/A] | HOLD-DOWN |

| mat'l code | | | | SEE NOTE 2 | | tolerances unless otherwise specified | | CUSTOMER | |
|-------------|----------------|-----|----------|------------|-----------------------|---------------------------------------|------------------------------------|----------|--|
| ltr | ecn no. | dr | date | linear | .XX±.01/0.XX±0.3 | projection | COPY | | |
| A | V02550 | JWS | 11-10-00 | | .XXX±.005/0.XX±0.13 | | title 28S + 12P | | |
| B | V20302 | DA1 | 02-08-02 | | .XXX±.002/0.XX±0.051 | | RIGHT ANGLE SOLDER HEADER | | |
| C | V20495 | JWS | 03-26-02 | angles | 0°±2° | | product family PwrBlade code 213 | | |
| D | DG05-0455 | CS | 11/12/05 | dr | J. SHAFFER 03-26-02 | INCH/MM | size dwg no 51731-001 sheet 1 of 4 | | |
| | | | | enrg | M. MOSTOLLER 03-26-02 | scale 1:1 | | | |
| | | | | chr | M. MOSTOLLER 03-26-02 | | | | |
| | | | | appd | M. MOSTOLLER 03-26-02 | | | | |
| sheet index | revision sheet | D 1 | D 2 | D 3 | D 4 | | | | |

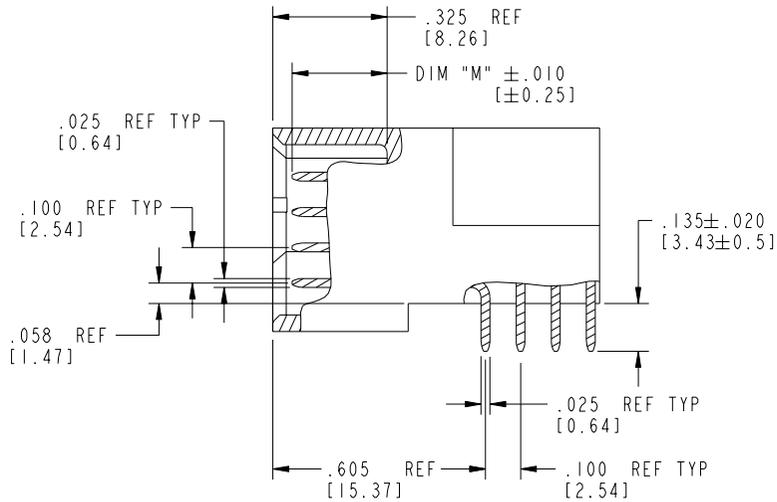
| | | | |
|---------------------------|--|----------------------------------|--|
| www.fciconnect.com | | A FCI | |
| projection | | title 28S + 12P | |
| RIGHT ANGLE SOLDER HEADER | | product family PwrBlade code 213 | |
| size dwg no 51731-001 | | sheet 1 of 4 | |

cage code 22526 4

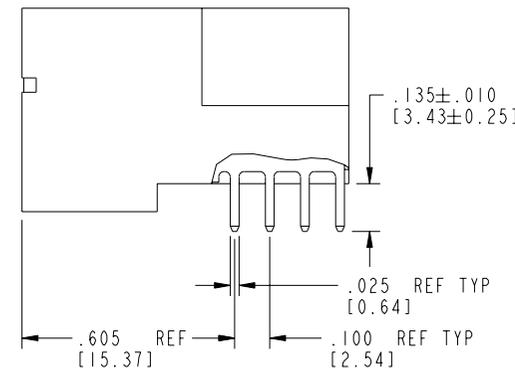
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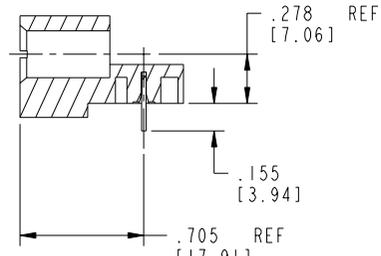
PRODUCT NUMBER
51731-001--
NOTE: (3)



BROKEN-OUT SECTION A-A
SCALE 2:1



BROKEN-OUT SECTION B-B
SCALE 2:1



SECTION C-C

| | | | | | | | | | |
|-------------|----------------|------------|------|---------------------------------------|-------------------------|----------------|--|--|--|
| mat'l code | | SEE NOTE 2 | | tolerances unless otherwise specified | | CUSTOMER | | www.fciconnect.com | |
| ltr | ecn no. | dr | date | linear | .XX±.01/0.X±0.3 | COPY | | | |
| D | | | | linear | .XXX±.005/0.XX±0.13 | INCH/MM | | title | |
| | | | | angles | .XXXX±.0020/0.XXX±0.051 | 1:1 | | 28S + 12P RIGHT ANGLE SOLDER HEADER | |
| | | | | dr | J. SHAFFER 03-26-02 | product family | | PwrBlade | |
| | | | | enrg | M. MOSTOLLER 03-26-02 | size | | 213 | |
| | | | | chr | M. MOSTOLLER 03-26-02 | scale | | 51731-001 | |
| | | | | appd | M. MOSTOLLER 03-26-02 | sheet | | 2 of 4 | |
| sheet index | revision sheet | | | | | | | | |

cage code 22526

Pro/E

PDM: Rev:D

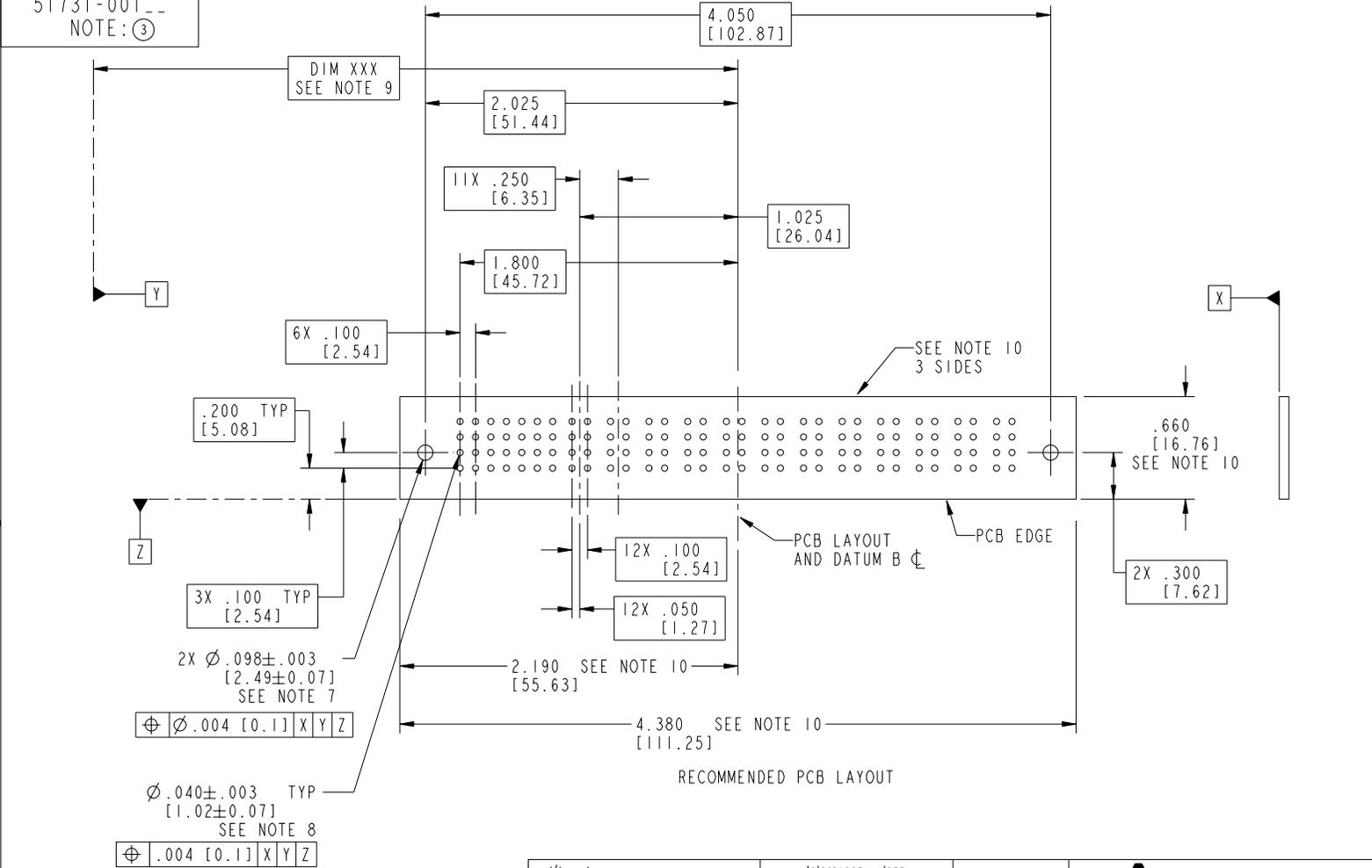
STATUS: Released

Printed: Dec 20, 2010

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PRODUCT NUMBER
51731-001--
NOTE: (3)



| | | | | | | | | | | | |
|-------------|----------------|----|------|------------|------------------------|---------------------------------------|------|---------------------------|-------|------------------------|--|
| mat'l code | | | | SEE NOTE 2 | | tolerances unless otherwise specified | | CUSTOMER | | www.fciconnect.com | |
| ltr | ecn no. | dr | date | linear | .XX±.01/0.XX±0.3 | projection | COPY | | title | | |
| D | | | | angles | .XXX±.005/0.XX±0.13 | | | 28S + 12P | | | |
| | | | | dr | .XXX±.0020/0.XXX±0.051 | INCH/MM | | RIGHT ANGLE SOLDER HEADER | | | |
| | | | | enrg | 0°±2° | scale | | product family | | code | |
| | | | | chr | J. SHAFFER 03-26-02 | 1:1 | | PwrBlade | | 213 | |
| | | | | appd | M. MOSTOLLER 03-26-02 | | | size | | sheet | |
| | | | | | M. MOSTOLLER 03-26-02 | | | A | | 3 of 4 | |
| sheet index | revision sheet | | | | | | | | | | |

cage code 22526 4

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A
FCI

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PRODUCT NUMBER
51731-001__
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:

51731-001 Singal Pin: 30u"/0.76um Au OVER 50u"/1.27um Ni ON THE CONTACT AREA.
AND 100u"/2.54um SnPb PLATING OVER 50u"/1.27um Ni ON THE TERMINATION SECTION.
Power Pin: 30u"/0.76um Au OVER 50u"/1.27um Ni ON THE CONTACT AREA,
AND 100u"/2.54um SnPb PLATING OVER 50u"/1.27um Ni ON THE TERMINATION SECTION.

51731-001LF Singal Pin: 30u"/0.76um Au OVER 50u"/1.27um Ni ON THE CONTACT AREA.
AND 78u"/2.00um Sn PLATING OVER 50u"/1.27um Ni ON THE TERMINATION SECTION.
Power Pin: 30u"/0.76um Au OVER 50u"/1.27um Ni ON THE CONTACT AREA,
AND 78u"/2.00um Sn PLATING OVER 50u"/1.27um Ni ON THE TERMINATION SECTION.

PART NUMBER model_name: ILF MEETS EUROPEAN UNION DIRECTIVE AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.

THE HOUSING WILL WITHSTAND EXPOSURE TO 260° PEAK TEMPERATURE FOR 10 SECONDS IN A WAVE SOLDER APPLICATION WITH A CIRCUIT BOARD.

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.

PCB NOTES:

- 6. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.
- 7. MOUNTING HOLES, WHERE APPLICABLE, ARE UNPLATED.
- 8. $\varnothing .0453 \pm 0.0010$ [1.151 \pm 0.025] DRILLED HOLES PLATED WITH
0.0003 [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.
- 9. "DIM XXX" TO BE DETERMINED BY THE CUSTOMER.
- 10. CONNECTOR KEEP-OUT ZONE.

| | | | | | | | | | | | | | |
|-------------|----------------|----|------|------------|-----------------------|---------------------------------------|--|------------|--|------------------------|-----------|--------------------|--------|
| mat'l code | | | | SEE NOTE 2 | | tolerances unless otherwise specified | | CUSTOMER | | A FCI | | www.fciconnect.com | |
| ltr | ecn no. | dr | date | linear | .XX±.01/0.X±0.3 | COPY | | projection | title 28S + 12P RIGHT ANGLE SOLDER HEADER | | | | |
| D | | | | angles | .XXX±.005/0.XX±0.13 | INCH/MM | | | product family | PwrBlade | code | 213 | |
| | | | | dr | .XXX±.0020/0.XX±0.051 | scale | | | size | dwg no | 51731-001 | sheet | 4 of 4 |
| | | | | enrg | 0° ± 2° | 1:1 | | A | | | | | |
| | | | | chr | J. SHAFFER 03-26-02 | | | | | | | | |
| | | | | appd | M. MOSTOLLER 03-26-02 | | | | | | | | |
| | | | | | M. MOSTOLLER 03-26-02 | | | | | | | | |
| sheet index | revision sheet | | | | | | | | | | | | |

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[51731-008](#) [51731-011](#) [51731-014](#) [51731-015](#)