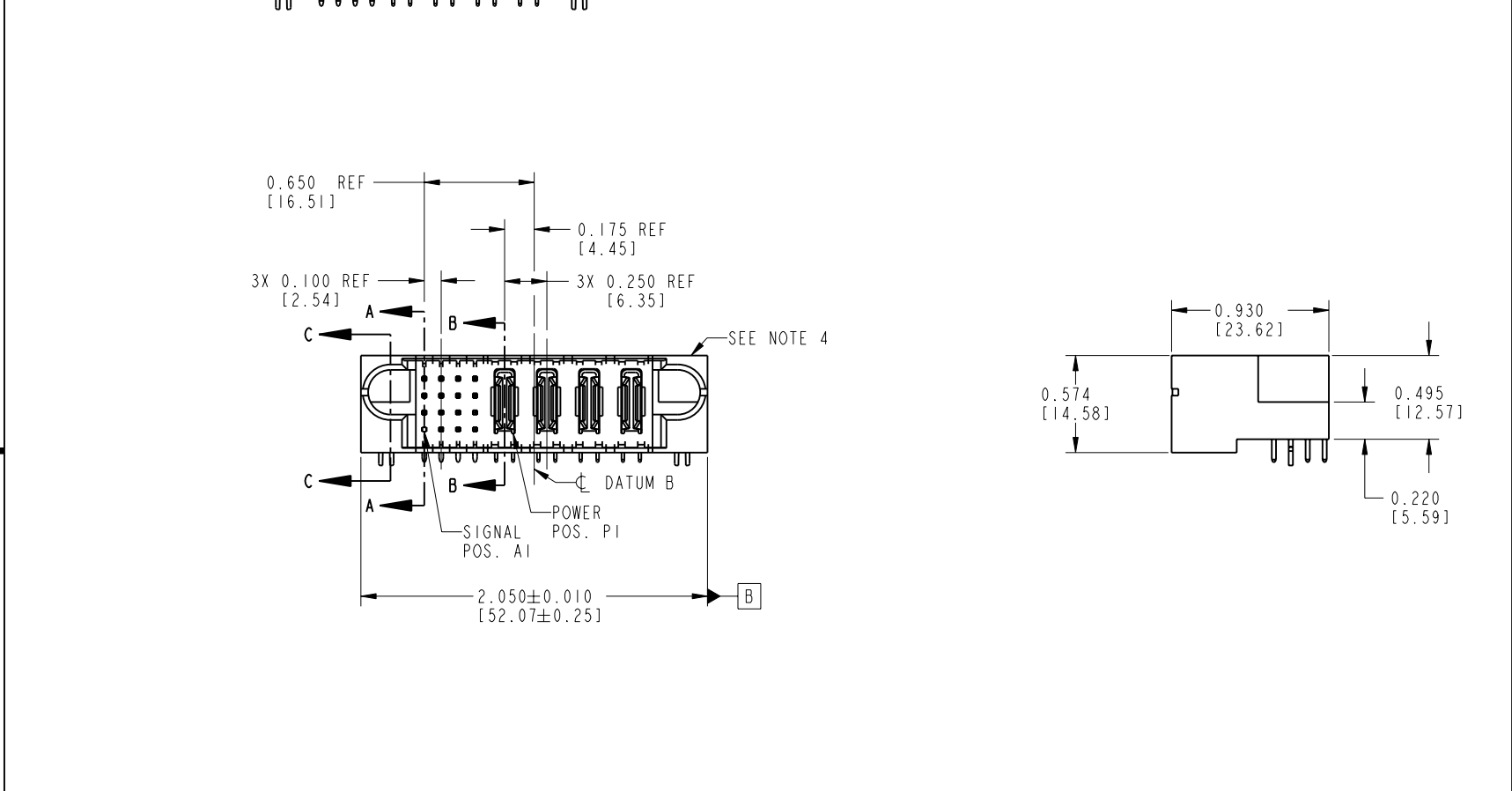
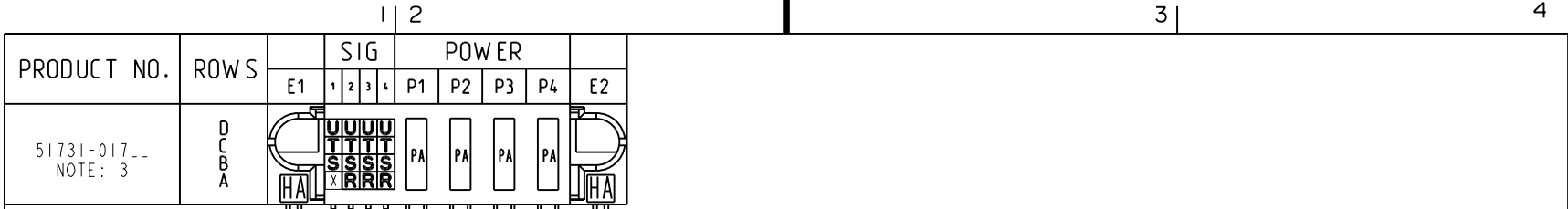


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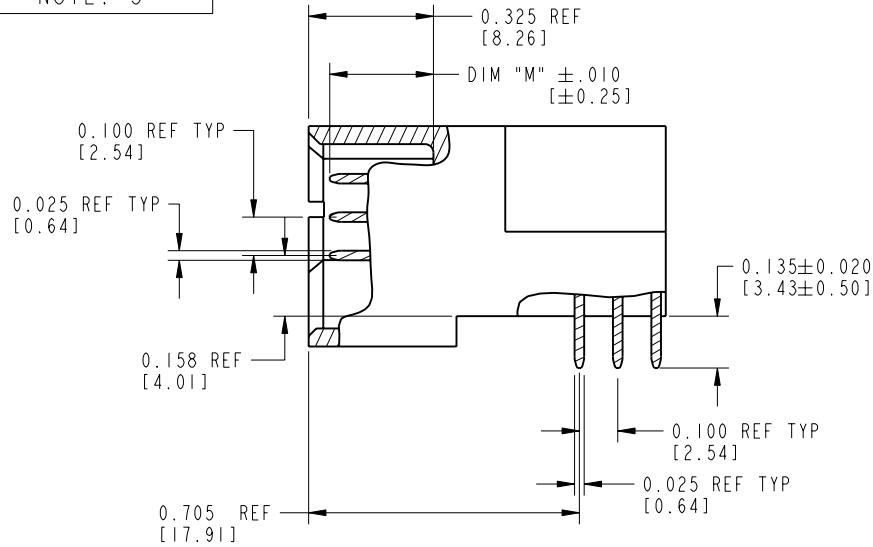
| CODE | DIM "M" MATING LENGTH | CONTACT TYPE |
|------|-----------------------|--------------|
| R | 0.270 [6.86] | SIGNAL |
| S | 0.270 [6.86] | SIGNAL |
| T | 0.270 [6.86] | SIGNAL |
| U | 0.270 [6.86] | SIGNAL |
| PA | N/A [N/A] | POWER |
| HA | N/A [N/A] | HOLD-DOWN |
| X | OMITTED | OMITTED |

| | | | | | | | | | | | |
|-------------|-----------|----------------|----------|------------|------------------------|---------------------------------------|------------|-----------|---------------------------|------------------------|------|
| 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 | | title | | |
| A | V03-0463 | MEM | 4/22/03 | | .XXX±.005/0.XX±0.13 | | projection | | 16S + 4P | | |
| B | DG05-0531 | GuoJM | 12/15/05 | angles | .XXX±.0020/0.XXX±0.051 | | | | RIGHT ANGLE SOLDER HEADER | | |
| | | | | | 0°± | | INCH/MM | | product family | | code |
| | | | | dr | | M. MOSTOLLER | 4/22/03 | scale | | PwrBlade | |
| | | | | engr | | M. MOSTOLLER | 4/22/03 | size | | 213 | |
| | | | | chr | | H. BREWBAKER | 4/22/03 | dwg no | | 51731-017 | |
| | | | | appd | | M. MOSTOLLER | 4/22/03 | A | | sheet 1 of 4 | |
| sheet index | | revision sheet | | B | B | B | B | cage code | | | |
| | | 1 2 | | 1 | 2 | 3 | 4 | 22526 | | | |

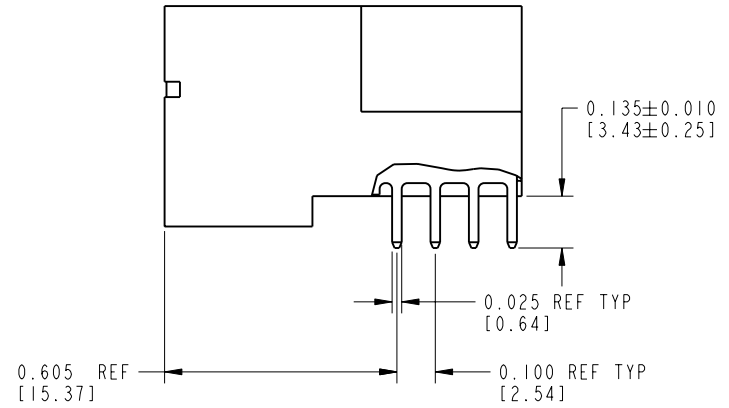
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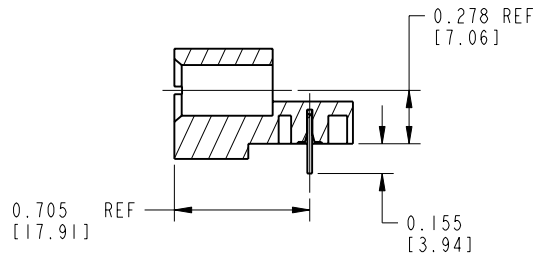
PRODUCT NUMBER
51731-017__
NOTE: 3




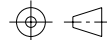
BROKEN-OUT SECTION A-A
SCALE 2:1



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 | projection | | COPY | | title | |
| B | | | | angles | .XXX±.005/0.XX±0.13 |  | | INCH/MM | | 16S + 4P | |
| | | | | dr | .XXX±.0020/0.XXX±0.051 | scale | | 1:1 | | RIGHT ANGLE SOLDER HEADER | |
| | | | | enr | 0°±2° | product family | | PwrBlade | | code | |
| | | | | chr | | size | | A | | 213 | |
| | | | | appd | | dwg no | | 51731-017 | | sheet | |
| sheet index | revision sheet | | | | | A | | 2 of 4 | | B | |
| | | | | | | cage code | | 22526 | | 4 | |

Pro/E

PDM: Rev:B

STATUS: Released

Printed: Dec 20, 2010

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A **FCI**

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B

PRODUCT NUMBER

51731-017__
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:

51731-017 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.

51731-017LF 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 51731-017LF 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:



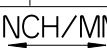
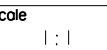
6. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.

7. MOUNTING HOLES, WHERE APPLICABLE, ARE UNPLATED.

8. Ø.0453±.0010 [1.151±0.025] DRILLED HOLES PLATED WITH .0003 [0.008] MIN SnPb OVER .001 [0.03] TO .003 [0.08] Cu PLATING TO ACHIEVE Ø.040±.003 [1.02±.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 | |  www.fciconnect.com | |
| lfr | ecr no. | dr | date | linear | .XX±.01/0.X±0.3 | | COPY | | title | | |
| B | | | | | .XXX±.005/0.XX±0.13 | | projection | | 16S + 4P | | |
| | | | | angles | .XXX±.0020/0.XXX±0.051 | |  | | RIGHT ANGLE SOLDER HEADER | | |
| | | | | | ° ± ° | |  | | product family | | |
| | | | | dr | M. MOSTOLLER | 4/22/03 | INCH/MM | | PwrBlade | | code |
| | | | | engr | M. MOSTOLLER | 4/22/03 |  | | size | | 213 |
| | | | | chr | H. BREWBAKER | 4/22/03 | scale | | dwg no | | sheet |
| | | | | appd | M. MOSTOLLER | 4/22/03 | 1:1 | | A 51731-017 | | 4 of 4 |
| sheet index | | revision sheet | | | | | | | | | |

coge code 22526

Pro/E

3

4

PDM: Rev:B

STATUS: **Released**

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