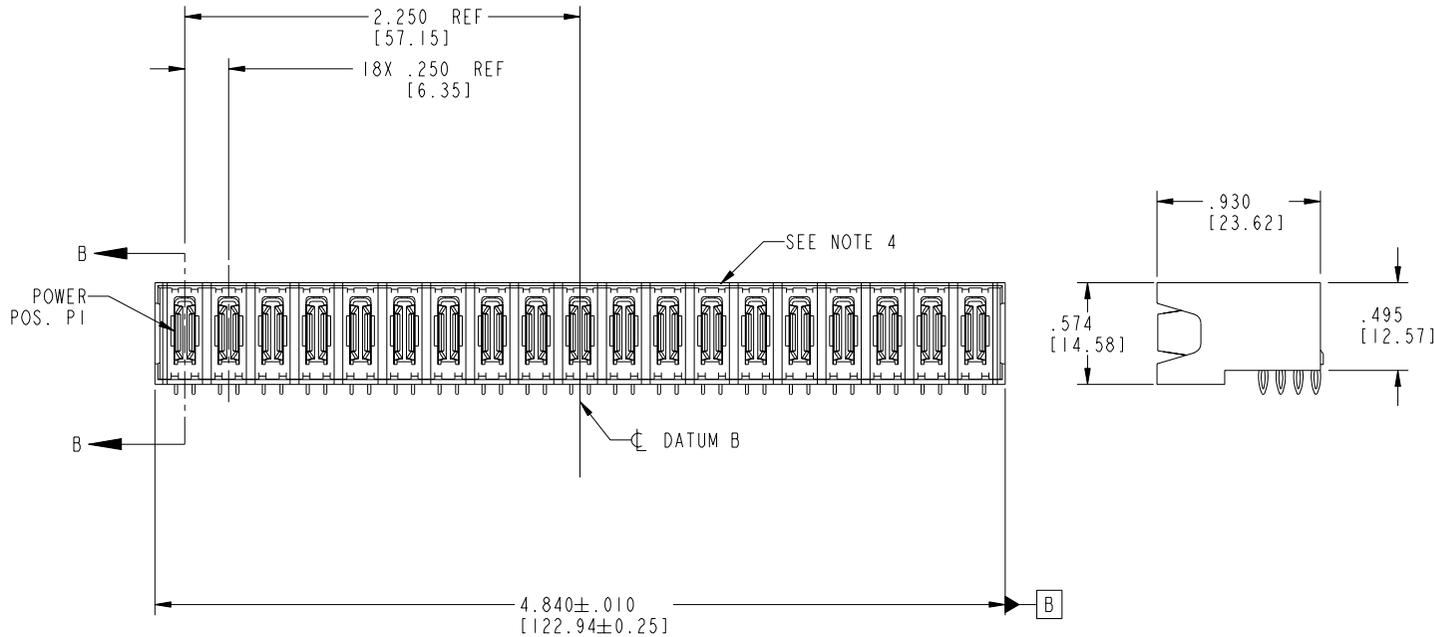


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| | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|-------|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| PRODUCT NO. 51737-002-- NOTE ③ | POWER | | | | | | | | | | | | | | | | | | |
| | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P9 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 |
| | PX | PX | PX | PX | PX | PX | PX | PX | PX | PX | PX | PX | PX | PX | PX | PX | PX | PX | PX |



| CODE | DIM "M" MATING LENGTH | CONTACT TYPE |
|------|-----------------------|--------------|
| PX | .092 [2.34] | POWER |

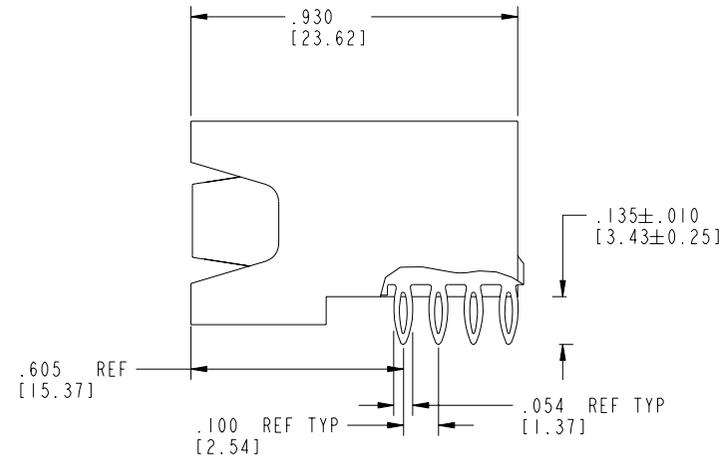
| | | | | | | | | | | | |
|-------------|----------------|----|----------|------------|-------------------------|---------------------------------------|---------|----------|----------------|------------------------|-------------------------------------|
| mat'l code | | | | SEE NOTE 2 | | tolerances unless otherwise specified | | CUSTOMER | | www.fciconnect.com | |
| ltr | ecn no. | dr | date | linear | .XX±.01/0.XX±0.3 | | COPY | | projection | | title |
| A | DG05-0520 | CS | 12/12/05 | | .XXX±.005/0.XX±0.13 | | | | | | 19P RIGHT ANGLE PRESS FIT HEADER |
| | | | | angles | .XXXX±.0020/0.XXX±0.051 | | INCH/MM | | product family | | code |
| | | | | dr | CS | 12/12/05 | 1:1 | | PwrBlade | | 213 |
| | | | | enr | STEVEN WANG | 12/12/05 | | | size | | sheet |
| | | | | chr | VICTOR LIN | 12/12/05 | | | A | | 1 of 4 |
| | | | | appd | JOSEPH HSIA | 12/12/05 | | | 51737-002 | | |
| sheet index | revision sheet | A | A | A | A | | | | | | |
| | | 1 | 2 | 3 | 4 | | | | | | |

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PRODUCT NUMBER
51737-002--
NOTE ③



BROKEN-OUT SECTION B-B
SCALE 2:1

| | | | | | | | | | |
|-------------|----------------|------------|------|---------------------------------------|------------------------|----------|--|---|-------------------------------------|
| 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 | | projection | title |
| A | | | | | .XXX±.005/0.XX±0.13 | INCH/MM | |  | 19P RIGHT ANGLE PRESS FIT HEADER |
| | | | | angles | XXXX±.0020/0.XXX±0.051 | scale | | product family | code |
| | | | | dr | 0°±2° | 1:1 | | PwrBlade | 213 |
| | | | | enr | CS 12/12/05 | | | size | sheet |
| | | | | chr | STEVEN WANG 12/12/05 | | | A | 2 of 4 |
| | | | | appd | VICTOR LIN 12/12/05 | | | 51737-002 | |
| | | | | | JOSEPH HSIA 12/12/05 | | | | |
| sheet index | revision sheet | | | | | | | | |

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PDM: Rev:A

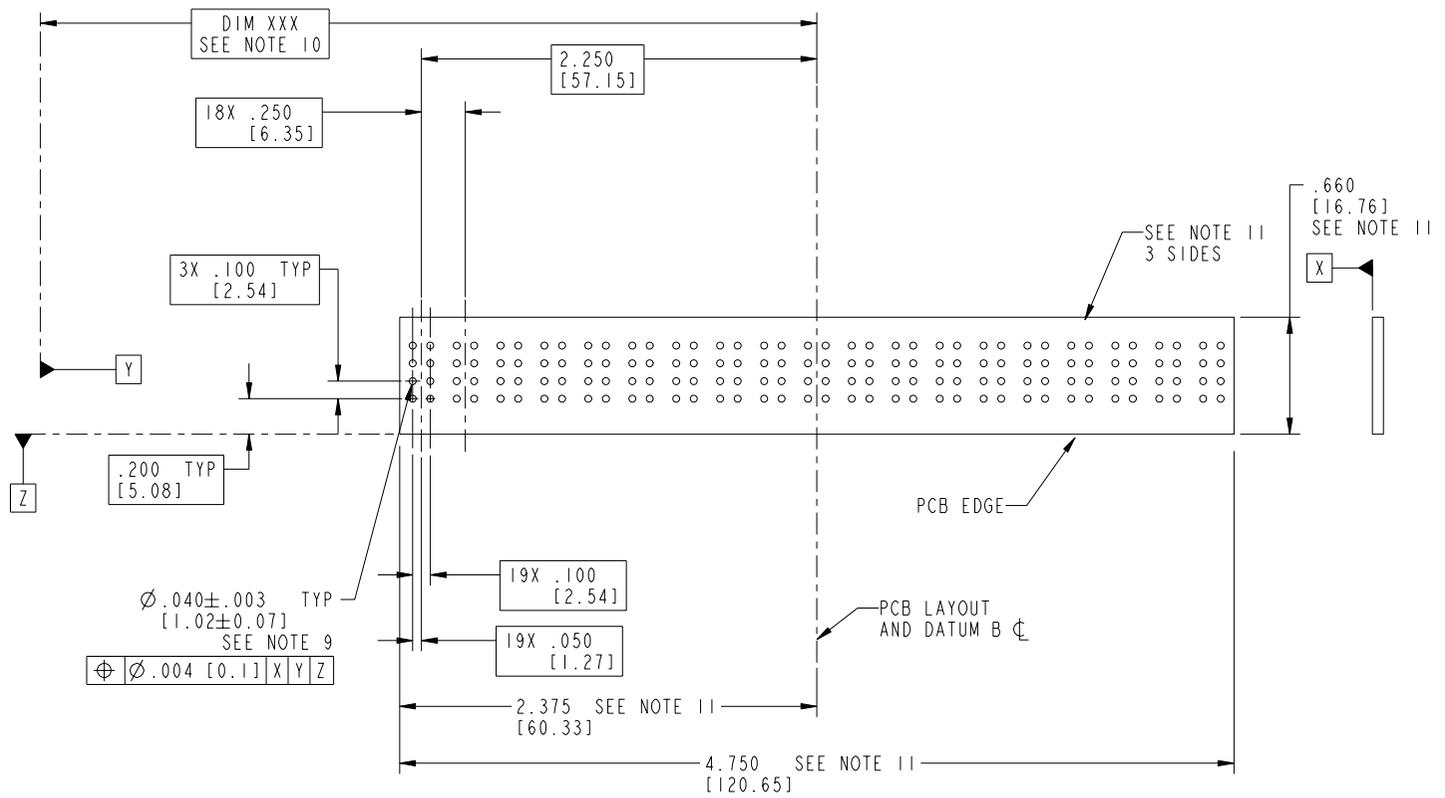
STATUS: Released

Printed: Dec 20, 2010

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PRODUCT NUMBER
51737-002--
NOTE ③



RECOMMENDED PCB LAYOUT

| | | | | | | | | | | | | | | | |
|-------------|----------------|----|------|------------|------------------------|--|--|---------------------------------------|--|------------------------------|--|----------------|--|------------------------|--|
| 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 | | projection | | title | | 19P | |
| A | | | | angles | .XXX±.005/0.XX±0.13 | | | INCH/MM | | RIGHT ANGLE PRESS FIT HEADER | | product family | | PwrBlade | |
| | | | | dr | XXXX±.0020/0.XXX±0.051 | | | scale | | A | | size | | 213 | |
| | | | | enr | 0°±2° | | | 1:1 | | 51737-002 | | sheet | | 3 of 4 | |
| | | | | chr | CS 12/12/05 | | | | | | | cage code | | 22526 | |
| | | | | appd | STEVEN WANG 12/12/05 | | | | | | | | | | |
| | | | | | VICTOR LIN 12/12/05 | | | | | | | | | | |
| | | | | | JOSEPH HSIA 12/12/05 | | | | | | | | | | |
| sheet index | revision sheet | | | | | | | | | | | | | | |

Pro/E

cage code 22526

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PRODUCT NUMBER
51737-002--
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:
51737-002 Singal Pin:30u"/0.76um Au OVER 50u"/1.27um Ni ON THE WHOLE AREA.
Power Pin:30u"/0.76um Au OVER 50u"/1.27um Ni ON THE CONTACT AREA,
AND 50u"/1.27um-100u"/2.54um SnPb PLATING OVER 50u"/1.27um Ni ON THE TERMINATION SECTION.

51737-002LF Singal Pin:30u"/0.76um Au OVER 50u"/1.27um Ni ON THE WHOLE AREA.
Power Pin:30u"/0.76um Au OVER 50u"/1.27um Ni ON THE CONTACT AREA,
AND 50u"/1.27um-100u"/2.54um Sn PLATING OVER 50u"/1.27um Ni ON THE TERMINATION SECTION.

PART NUMBER 51737-002LF 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.

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 ± 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 ± .07] HOLE.

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

⑪. CONNECTOR KEEP-OUT ZONE.

| | | | | | | | | | | | |
|-------------|----------------|----|------|------------|-----------------------|---------------------------------------|--|---|------------------------------|---|--------|
| 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 | | projection | title | | |
| A | | | | | .XXX±.005/0.XX±0.13 | | |  | 19P | | |
| | | | | angles | .XXX±.0020/0.XX±0.051 | | |  | RIGHT ANGLE PRESS FIT HEADER | | |
| | | | | dr | 0° ± 2° | CS 12/12/05 | | INCH/MM | product family | PwrBlade | code |
| | | | | enr | | STEVEN WANG 12/12/05 | | size | dwg no | | 213 |
| | | | | chr | | VICTOR LIN 12/12/05 | | scale | A | 51737-002 | sheet |
| | | | | appd | | JOSEPH HSIA 12/12/05 | | 1:1 | | | 4 of 4 |
| sheet index | revision sheet | | | | | | | | | | |

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