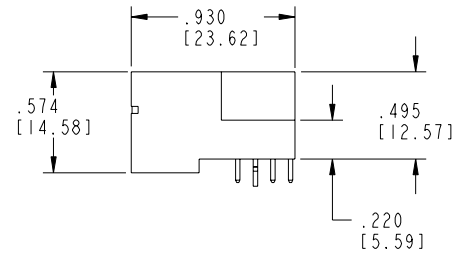
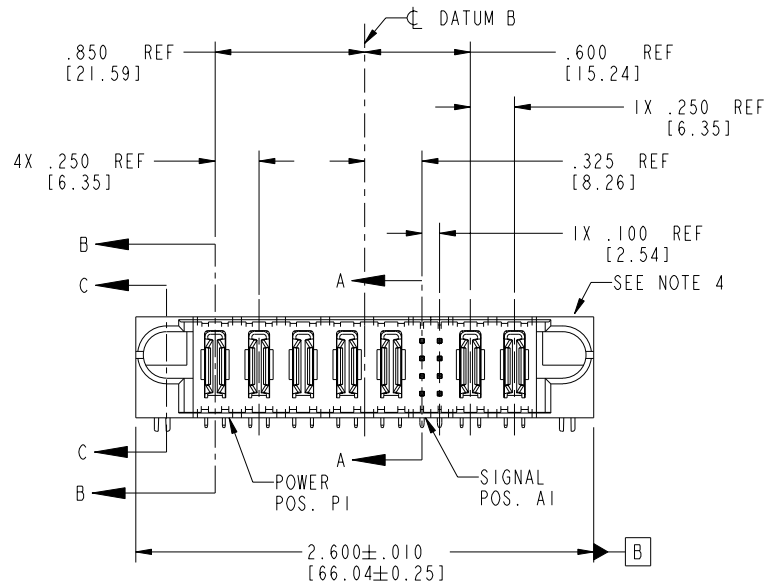


**FEI**

A

B



| CODE | DIM "M"<br>MATING<br>LENGTH | CONTACT<br>TYPE |
|------|-----------------------------|-----------------|
| H    | .220 [5.59]                 | SIGNAL          |
| R    | .270 [6.86]                 | SIGNAL          |
| S    | .270 [6.86]                 | SIGNAL          |
| T    | .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                                                           |  | <div><div>A</div><div>FCI</div><div>www.fciconnect.com</div></div> |  |        |  |
| ltr         | ecn no.    | dr             | date      | linear     | <div><div>.XX±.01/0.X±0.3</div><div>.XXX±.005/0.XX±0.13</div><div>.XXX±.002/0.XXX±0.051</div><div>0°±2°</div></div> |   |                        |                                       | COPY                                        |  | <div><div>projection</div><div></div></div> | title <div>5P + 8S + 2P</div> <div>RIGHT ANGLE SOLDER HEADER</div> |  |                                                                    |  |        |  |
| A           | V21012     | JWS            | 06-06-02  |            | angles                                                                                                              |   | dr J. SHAFFER 06-06-02 |                                       | INCH/MM                                     |  |                                                                                                                                  | product family                                                     |  | PwrBlade                                                           |  | code   |  |
| B           | DDG05-0253 | SJ             | 407/25/05 |            | engr                                                                                                                |   | M. MOSTOLLER 06-06-02  |                                       | <div><div>size</div><div>dwg no</div></div> |  |                                                                                                                                  | A                                                                  |  | 51730-050                                                          |  | 213    |  |
| C           | DG05-0560  | CS             | 12/26/05  |            | chr                                                                                                                 |   | M. MOSTOLLER 06-06-02  |                                       | scale                                       |  |                                                                                                                                  | 1:1                                                                |  |                                                                    |  | sheet  |  |
|             |            |                |           |            | appd                                                                                                                |   | M. MOSTOLLER 06-06-02  |                                       |                                             |  |                                                                                                                                  |                                                                    |  |                                                                    |  | 1 of 4 |  |
| sheet index |            | revision sheet |           | C          | C                                                                                                                   | C | C                      | C                                     | C                                           |  |                                                                                                                                  |                                                                    |  |                                                                    |  |        |  |
| Pro/E       |            |                |           | 3          |                                                                                                                     |   |                        | cage code                             |                                             |  |                                                                                                                                  | 22526                                                              |  |                                                                    |  | 4      |  |

Pro/E

STATUS: **Released**

Printed: Aug 12, 2007

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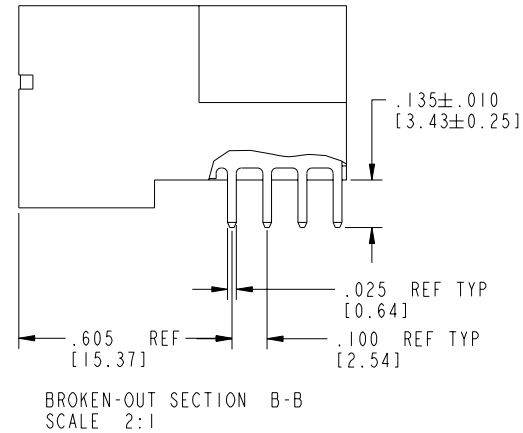
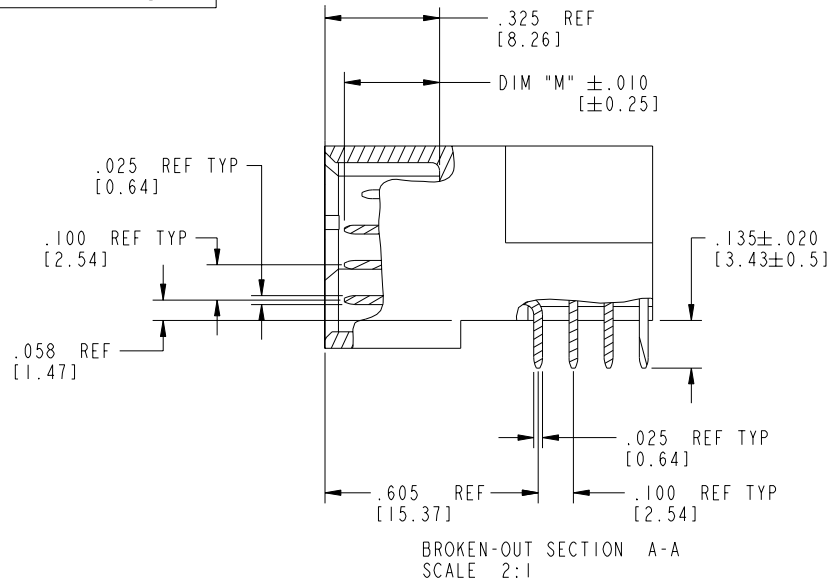
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**FCI**

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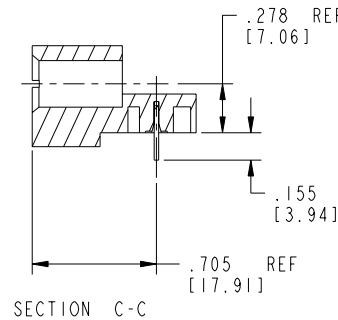
A

PRODUCT NUMBER

51730-050\_-  
NOTE: ③



A



| 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         | projection                            | COPY    | title    | 5P + 8S + 2P | product family | PwrBlade | code               | 213 |
| C           |          |       |      | linear     | .XXX±.005/0.XX±0.13    | projection                            | INCH/MM | size     | dwg no       | 51730-050      | sheet    | 2 of 4             |     |
|             |          |       |      | angles     | .XXX±.0020/0.XXX±0.051 | scale                                 | 1:1     | scale    |              |                |          |                    |     |
|             |          |       |      | dr         | J. SHAFFER 06-06-02    |                                       |         |          |              |                |          |                    |     |
|             |          |       |      | engr       | M. MOSTOLLER 06-06-02  |                                       |         |          |              |                |          |                    |     |
|             |          |       |      | chr        | M. MOSTOLLER 06-06-02  |                                       |         |          |              |                |          |                    |     |
|             |          |       |      | appd       | M. MOSTOLLER 06-06-02  |                                       |         |          |              |                |          |                    |     |
| sheet index | revision | sheet |      |            |                        |                                       |         |          |              |                |          |                    |     |

B

1 | 2

Pro/E

3 |

cage code 22526

4

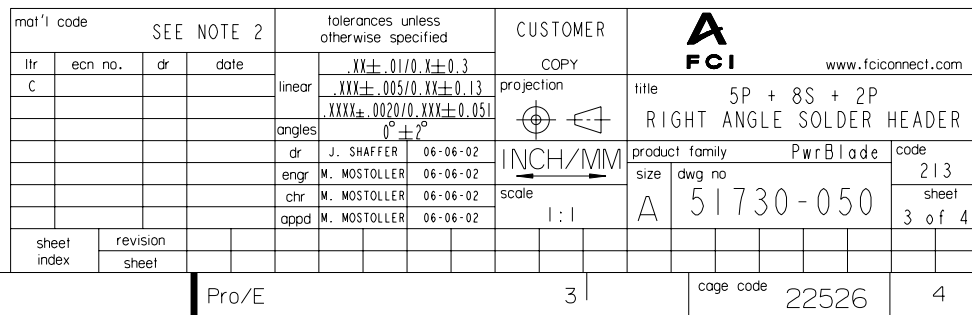
PDM: Rev:C

STATUS: Released

Printed: Aug 12, 2007

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PRODUCT NUMBER

51730-050\_-  
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:

51730-050 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.

51730-050LF 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 51730-050LF 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<br>otherwise specified |            | CUSTOMER |            | <b>A</b><br><b>FCI</b> |            | www.fciconnect.com |            |
|----------------|-------------------|----|------|------------|------------|------------------------------------------|------------|----------|------------|------------------------|------------|--------------------|------------|
| ltr            | ecn no.           | dr | date | linear     | projection | linear                                   | projection | linear   | projection | linear                 | projection | linear             | projection |
| C              |                   |    |      |            |            | .XX $\pm$ .01/0.X $\pm$ 0.3              |            |          |            |                        |            |                    |            |
|                |                   |    |      |            |            | .XXX $\pm$ .005/0.XX $\pm$ 0.13          |            |          |            |                        |            |                    |            |
|                |                   |    |      |            |            | .XXXX $\pm$ .0020/0.XXX $\pm$ 0.051      |            |          |            |                        |            |                    |            |
|                |                   |    |      | angles     |            | 0° $\pm$ 2°                              |            |          |            |                        |            |                    |            |
|                |                   |    |      | dr         |            | J. SHAFFER                               | 06-06-02   |          |            |                        |            |                    |            |
|                |                   |    |      | enrg       |            | M. MOSTOLLER                             | 06-06-02   |          |            |                        |            |                    |            |
|                |                   |    |      | chr        |            | M. MOSTOLLER                             | 06-06-02   |          |            |                        |            |                    |            |
|                |                   |    |      | appd       |            | M. MOSTOLLER                             | 06-06-02   |          |            |                        |            |                    |            |
| sheet<br>index | revision<br>sheet |    |      |            |            |                                          |            |          |            |                        |            |                    |            |

Pro/E

PDM: Rev:C

STATUS:Released

Printed: Aug 12, 2007