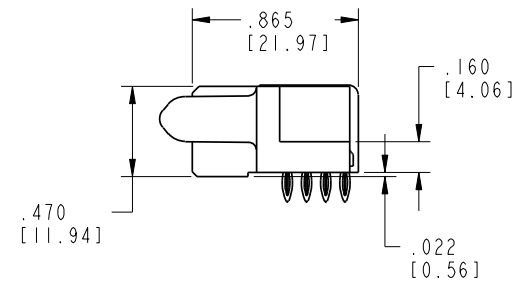
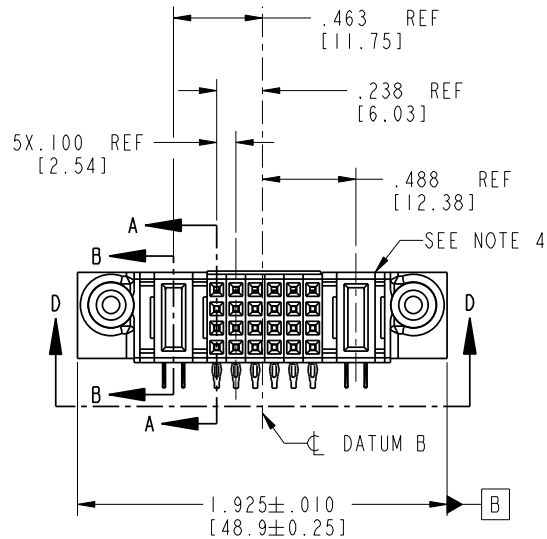
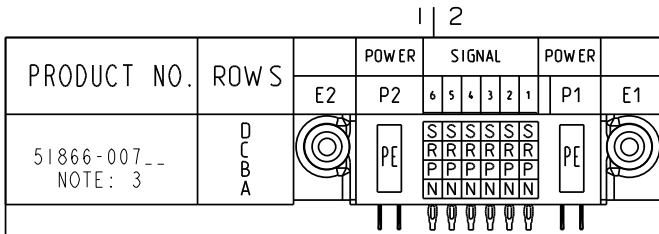


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**FCI**



| CODE | DIM "M" MATING LENGTH | CONTACT TYPE |
|------|-----------------------|--------------|
| N    | N/A [N/A]             | SIGNAL       |
| P    | N/A [N/A]             | SIGNAL       |
| R    | N/A [N/A]             | SIGNAL       |
| S    | N/A [N/A]             | SIGNAL       |
| PE   | .042 [1.07]           | POWER        |

|             |                |       |          |            |                        |                                       |             |              |                       |                        |  |
|-------------|----------------|-------|----------|------------|------------------------|---------------------------------------|-------------|--------------|-----------------------|------------------------|--|
| mat'l code  |                |       |          | SEE NOTE 2 |                        | tolerances unless otherwise specified |             | CUSTOMER     |                       | <br>www.fciconnect.com |  |
| lir         | ecn no.        | dr    | date     | linear     | .XX±.01/0.X±0.3        |                                       | COPY        |              | title                 |                        |  |
| A           | V12545         | JWS   | 11/29/01 |            | .XXX±.005/0.XX±0.13    |                                       | projection  |              | IP + 24S + IP         |                        |  |
| B           | DG05-0530      | GuoJM | 12/09/05 | angles     | .XXX±.0020/0.XXX±0.051 |                                       | <br>INCH/MM |              | R/A PRESS FIT RECEPT. |                        |  |
|             |                |       |          | dr         | 0° ± 2°                |                                       | scale       |              | product family        |                        |  |
|             |                |       |          | enrg       | J. SHAFFER 11/29/01    |                                       | 1:1         |              | PwrBlade              |                        |  |
|             |                |       |          | chr        | J. ALLISON 11/29/01    |                                       | size        |              | code                  |                        |  |
|             |                |       |          | oppd       | J. ALLISON 11/29/01    |                                       | dwg no      |              | 213                   |                        |  |
| sheet index | revision sheet | B 1   | B 2      | B 3        | B 4                    | A 51866-007                           |             | sheet 1 of 4 |                       |                        |  |

Pro/E

**PDM: Rev: B**

STATUS: **Released**

Printed: Oct 08, 2006

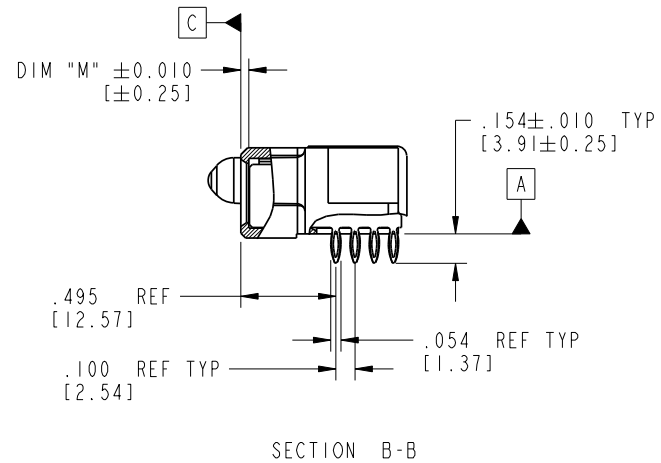
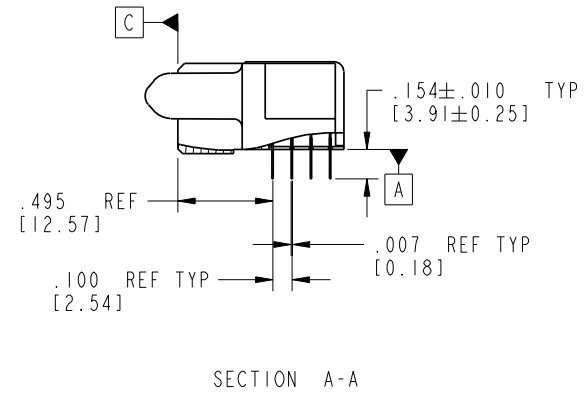
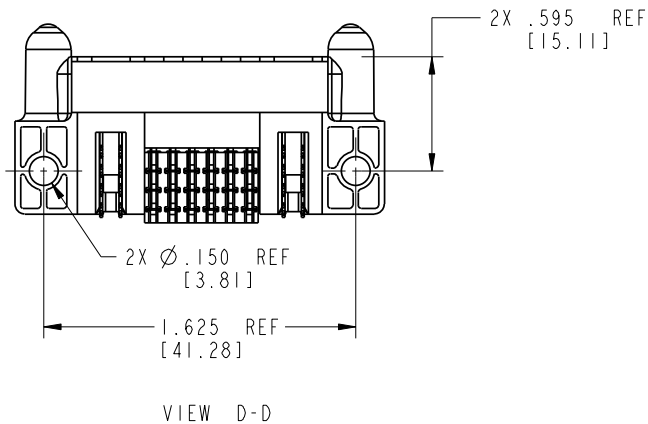
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**FCI**

PRODUCT NUMBER

51866-007\_\_  
NOTE: 3



|             |                |            |      |                                       |                        |            |                |            |                       |                    |  |
|-------------|----------------|------------|------|---------------------------------------|------------------------|------------|----------------|------------|-----------------------|--------------------|--|
| mat'l code  |                | SEE NOTE 2 |      | tolerances unless otherwise specified |                        | CUSTOMER   |                | <b>FCI</b> |                       | www.fciconnect.com |  |
| lir         | ecn no.        | dr         | date | linear                                | .XX±.01/0.X±0.3        | projection | COPY           |            | title                 |                    |  |
| B           |                |            |      |                                       | .XX±.005/0.XX±0.13     | INCH/MM    | IP + 24S + IP  |            | R/A PRESS FIT RECEPT. |                    |  |
|             |                |            |      | angles                                | .XXX±.0020/0.XXX±0.051 | scale      | product family |            | code                  |                    |  |
|             |                |            |      | dr                                    | 0°±2°                  | 1:1        | PwrBlade       |            | 213                   |                    |  |
|             |                |            |      | engr                                  | J. SHAFFER 11/29/01    |            | size           |            | sheet                 |                    |  |
|             |                |            |      | chr                                   | J. ALLISON 11/29/01    |            | A              |            | 2 of 4                |                    |  |
|             |                |            |      | appd                                  | J. ALLISON 11/29/01    |            | 51866-007      |            |                       |                    |  |
| sheet index | revision sheet |            |      |                                       |                        |            |                |            |                       |                    |  |

Pro/E

**PDM: Rev: B**

STATUS: **Released**

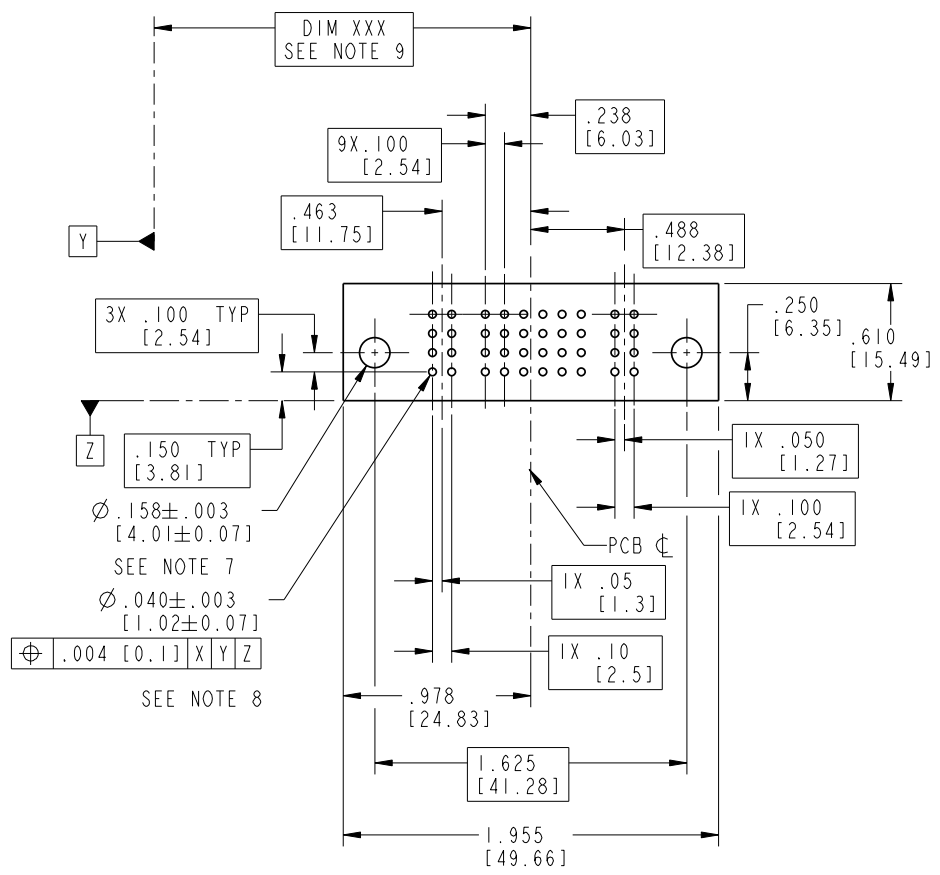
Printed: Oct 08, 2006

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PRODUCT NUMBER  
51866-007\_\_  
NOTE: 3



|             |                |            |      |                                       |                        |            |                |            |                       |                    |      |
|-------------|----------------|------------|------|---------------------------------------|------------------------|------------|----------------|------------|-----------------------|--------------------|------|
| mat'l code  |                | SEE NOTE 2 |      | tolerances unless otherwise specified |                        | CUSTOMER   |                | <b>FCI</b> |                       | www.fciconnect.com |      |
| lir         | ecn no.        | dr         | date | linear                                | .XX±.01/0.X±0.3        | projection | COPY           |            | title                 |                    |      |
| B           |                |            |      | linear                                | .XXX±.005/0.XX±0.13    |            |                |            | IP + 24S + IP         |                    |      |
|             |                |            |      | angles                                | .XXX±.0020/0.XXX±0.051 |            |                |            | R/A PRESS FIT RECEPT. |                    |      |
|             |                |            |      | angles                                | 0°±2°                  |            | product family |            | PwrBlade              |                    | code |
|             |                |            |      | dr                                    | J. SHAFFER 11/29/01    |            | size           |            | A                     |                    | 213  |
|             |                |            |      | enrg                                  | J. ALLISON 11/29/01    | scale      |                | 51866-007  |                       | sheet              |      |
|             |                |            |      | chr                                   | J. ALLISON 11/29/01    | 1:1        |                |            |                       | 3 of 4             |      |
|             |                |            |      | appd                                  | J. ALLISON 11/29/01    |            |                |            |                       |                    |      |
| sheet index | revision sheet |            |      |                                       |                        |            |                |            |                       |                    |      |

1 | 2

Pro/E

**PDM: Rev: B**

STATUS: **Released**

Printed: Oct 08, 2006

1 | 2

3 |

4

A

A

B

B

PRODUCT NUMBER

51866-007\_\_  
NOTE: 3

NOTES:

1. DIMENSIONS AND TOLERANCES ARE IN ACCORDANCE WITH ASME Y14.5M, 1994 UNLESS OTHERWISE SPECIFIED.

CONNECTORS NOTES:

2. HOUSING MATERIAL: UL 94 V-0 GLASS FILLED HIGH TEMP THERMO PLASTIC  
POWER CONTACT MATERIAL: COPPER ALLOY  
SIGNAL PIN MATERIAL: COPPER ALLOY

3. PLATING:

51866-007 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.  
  
51866-007LF 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 51866-007LF MEETS EUROPEAN UNION DIRECTIVE AND OTHER ICOUNTRY 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.


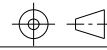
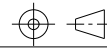
4. "MANUFACTURER" NAME, P/N, AND DATE CODE TO APPEAR ON THIS SURFACE.

5. PRODUCT SPECIFICATION GS-12-149.

PCB - NOTES:

- 6. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.
- 7. HOLD DOWN THROUGH HOLES ARE UNPLATED.
- 8. Ø.0453±0.0010 [1.151±0.025] DRILLED HOLES PLATED WITH 0.0003 [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. USE FCI CAM TOOL 430140-XXX TO APPLY CONNECTOR TO PCB.

|             |                |            |      |                                       |                        |          |  |   |        |
|-------------|----------------|------------|------|---------------------------------------|------------------------|----------|--|---|--------|
| mat'l code  |                | SEE NOTE 2 |      | tolerances unless otherwise specified |                        | CUSTOMER |  | <br>www.fciconnect.com |        |
| lir         | ecn no.        | dr         | date | linear                                | .XX±.01/0.X±0.3        |          | projection   | COPY  |        |
| B           |                |            |      |                                       | .XXX±.005/0.XX±0.13    |          |  | <br>INCH/MM            | title  |
|             |                |            |      | angles                                | .XXX±.0020/0.XXX±0.051 |          | <br>R/A PRESS FIT RECEPT. |   |        |
|             |                |            |      |                                       | 0° ± 2°                |          | product family   |   | code   |
|             |                |            |      | dr                                    | J. SHAFFER             | 11/29/01 | PwrBlade   |   | 213    |
|             |                |            |      | enrg                                  | J. ALLISON             | 11/29/01 | size   | dwg no  | sheet  |
|             |                |            |      | chr                                   | J. ALLISON             | 11/29/01 | A  | 51866-007   | 4 of 4 |
|             |                |            |      | appd                                  | J. ALLISON             | 11/29/01 | scale  |   |        |
|             |                |            |      |                                       |                        |          | 1:1  |   |        |
| sheet index | revision sheet |            |      |                                       |                        |          |  |   |        |

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