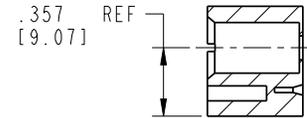


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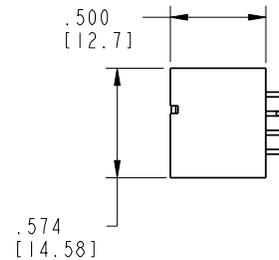
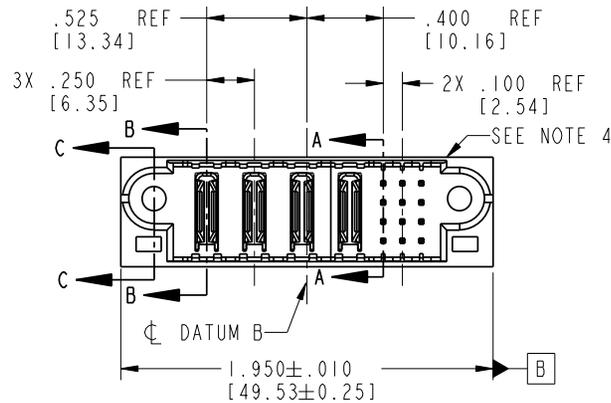
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|                                       |              |       |    |    |    |        |   |   |    |
|---------------------------------------|--------------|-------|----|----|----|--------|---|---|----|
| PRODUCT NO.<br>51712-002--<br>NOTE: 3 | ROWS<br>DCBA | POWER |    |    |    | SIGNAL |   |   | E2 |
|                                       |              | E1    | P1 | P2 | P3 | P4     | 1 | 2 |    |



SECTION C-C



| CODE | DIM "M" MATING LENGTH | CONTACT TYPE |
|------|-----------------------|--------------|
| E    | .270 [6.86]           | SIGNAL       |
| PA   | N/A [N/A]             | POWER        |
| H    | .220 [5.59]           | SIGNAL       |

|             |           |                |          |            |                       |                                       |             |          |                |                             |  |
|-------------|-----------|----------------|----------|------------|-----------------------|---------------------------------------|-------------|----------|----------------|-----------------------------|--|
| mat'l code  |           |                |          | SEE NOTE 2 |                       | tolerances unless otherwise specified |             | CUSTOMER |                | <br>www.fciconnect.com      |  |
| lfr         | ecn no.   | dr             | date     | linear     | .XX±.01/0.XX±0.3      |                                       | COPY        |          | <br>INCH/MM    | title                       |  |
| A           | V20184    | DA1            | 01/28/02 |            | .XXX±.005/0.XX±0.13   |                                       | projection  |          |                | VERTICAL HEADER w/GUIDE PIN |  |
| B           | V21104    | TAB            | 09/30/02 |            | .XXX±.002/0.XXX±0.051 |                                       | <br>INCH/MM |          |                | POWER SIGNAL SPECIAL        |  |
| C           | DG05-0389 | GuoJM          | 10/13/05 | angles     | 0°±2°                 |                                       | scale       |          | product family |                             |  |
|             |           |                |          | dr         | D. INGRAM             | 01/28/02                              | 1:1         |          | PwrBlade       |                             |  |
|             |           |                |          | enr        | M. MOSTOLLER          | 01/28/02                              |             |          | code           |                             |  |
|             |           |                |          | chr        | M. MOSTOLLER          | 01/28/02                              |             |          | size           |                             |  |
|             |           |                |          | appd       | M. MOSTOLLER          | 01/28/02                              |             |          | dwg no         |                             |  |
| sheet index |           | revision sheet |          | C          | C                     | C                                     |             |          | A              |                             |  |
|             |           | 1 2            |          | C          | C                     | C                                     |             |          | 51712-002      |                             |  |
|             |           | 3 4            |          |            |                       |                                       |             |          | 213            |                             |  |
|             |           |                |          |            |                       |                                       |             |          | sheet          |                             |  |
|             |           |                |          |            |                       |                                       |             |          | 1 of 4         |                             |  |

Pro/E

**PDM: Rev: C**

STAT **US: Released**

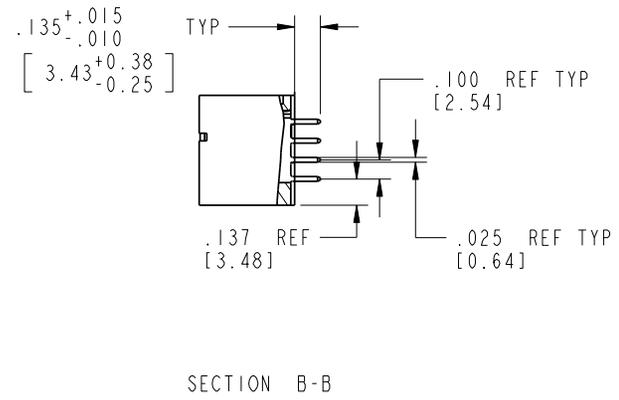
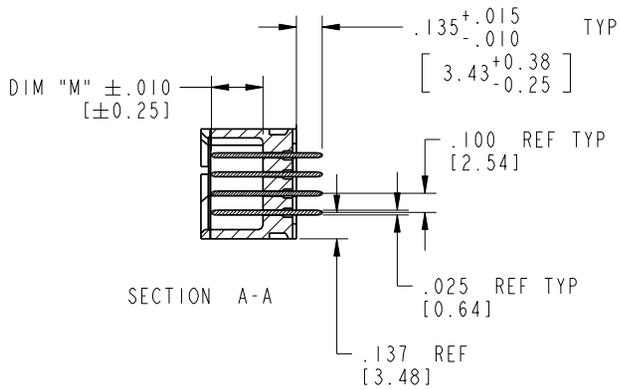
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PRODUCT NUMBER  
51712-002--  
NOTE: 3



|             |         |                |      |                                       |                        |            |  |                             |  |
|-------------|---------|----------------|------|---------------------------------------|------------------------|------------|--|-----------------------------|--|
| 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                       |  |
| c           |         |                |      |                                       | .XXY±.005/0.XX±0.13    | projection |  | VERTICAL HEADER w/GUIDE PIN |  |
|             |         |                |      | angles                                | .XXX±.0020/0.XXX±0.051 |            |  | POWER SIGNAL SPECIAL        |  |
|             |         |                |      | dr                                    | D. INGRAM 01/28/02     | INCH/MM    |  | product family              |  |
|             |         |                |      | enr                                   | M. MOSTOLLER 01/28/02  | scale      |  | PwrBlade                    |  |
|             |         |                |      | chr                                   | M. MOSTOLLER 01/28/02  | 1:1        |  | code                        |  |
|             |         |                |      | appd                                  | M. MOSTOLLER 01/28/02  | A          |  | 213                         |  |
| sheet index |         | revision sheet |      |                                       |                        | size       |  | sheet                       |  |
|             |         |                |      |                                       |                        | A          |  | 2                           |  |
|             |         |                |      |                                       |                        | 51712-002  |  |                             |  |

Pro/E

PDM: Rev: C

STAT: Released

Printed: Dec 20, 2010

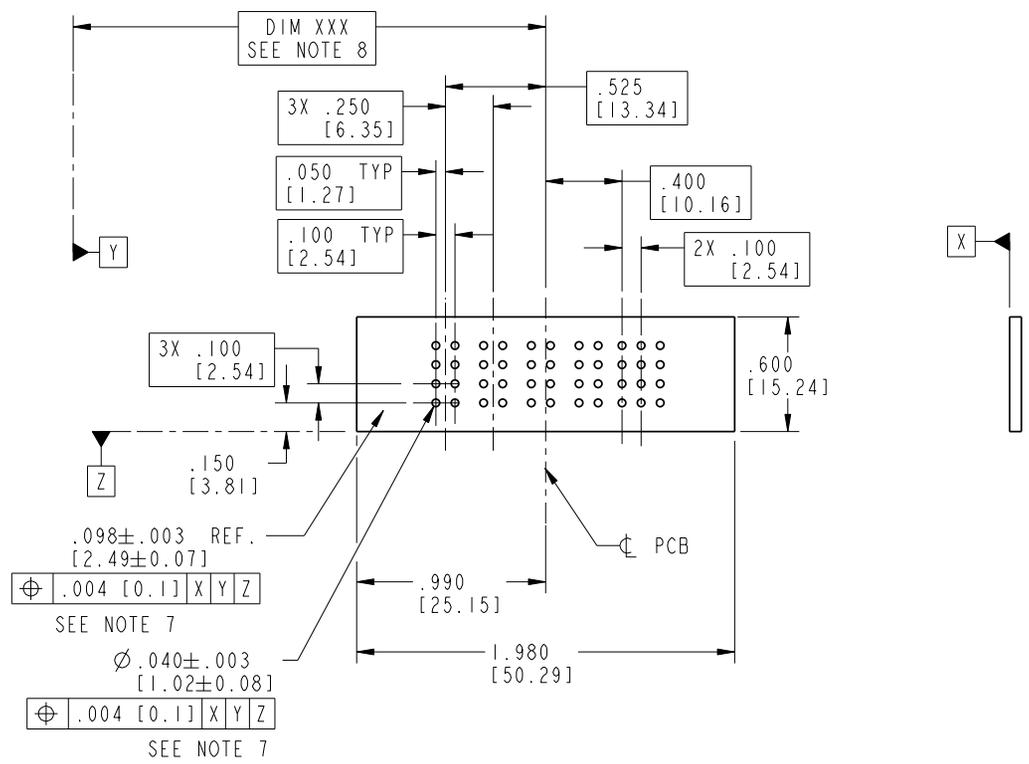
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PRODUCT NUMBER  
51712-002--  
NOTE: 3



|             |         |                |      |                                       |                        |          |  |                |  |   |  |
|-------------|---------|----------------|------|---------------------------------------|------------------------|----------|--|----------------|--|---|--|
| 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        | COPY     |  | projection     |  | title   |  |
| c           |         |                |      | angles                                | .XXX±.005/0.XX±0.13    | INCH/MM  |  | ⊕ ↗            |  | VERTICAL HEADER w/GUIDE PIN<br>POWER SIGNAL SPECIAL |  |
|             |         |                |      | dr                                    | .XXX±.0020/0.XXX±0.051 | scale    |  | product family |  | code  |  |
|             |         |                |      | enr                                   | 0°±2°                  | 1:1      |  | PwrBlade       |  | 213   |  |
|             |         |                |      | chr                                   |                        |          |  | size           |  | sheet   |  |
|             |         |                |      | appd                                  |                        |          |  | A              |  | 3   |  |
| sheet index |         | revision sheet |      |                                       |                        |          |  | A              |  | 51712-002   |  |
|             |         |                |      |                                       |                        |          |  |                |  |   |  |

B

B

1 | 2

Pro/E

**PDM: Rev: C**

STAT **US: Released**

code code 22556 4  
Printed: Dec 20, 2010

1 | 2

3 |

4

PRODUCT NUMBER

51712-002\_\_  
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:

51712-002 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.  
  
51712-002LF 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 51712-002LF 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" NAME, P/N, AND DATE CODE TO APPEAR ON THIS SURFACE.

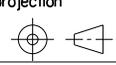
5. PRODUCT SPECIFICATION GS-12-149.

PCB - NOTES:

6. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.

7. 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.

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

|             |         |                |      |                                       |                        |            |   |   |           |
|-------------|---------|----------------|------|---------------------------------------|------------------------|------------|---|---|-----------|
| 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 |  | title   |           |
| C           |         |                |      |                                       | .XXY±.005/0.XX±0.13    |            |   | VERTICAL HEADER w/GUIDE PIN<br>POWER SIGNAL SPECIAL   |           |
|             |         |                |      | angles                                | .XXX±.0020/0.XXX±0.051 | INCH/MM    |  | product family  |           |
|             |         |                |      | dr                                    | 0° ± 2°                |            |   | PwrBlade  | code      |
|             |         |                |      | enrg                                  | D. INGRAM 01/28/02     | scale      | 1:1   | size  |           |
|             |         |                |      | chr                                   | M. MOSTOLLER 01/28/02  |            |   | A   | 51712-002 |
|             |         |                |      | appd                                  | M. MOSTOLLER 01/28/02  |            |   | sheet   |           |
| sheet index |         | revision sheet |      |                                       |                        |            |   | 213   |           |
|             |         |                |      |                                       |                        |            |   | 4   |           |

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