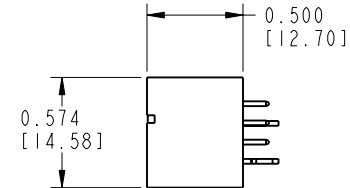
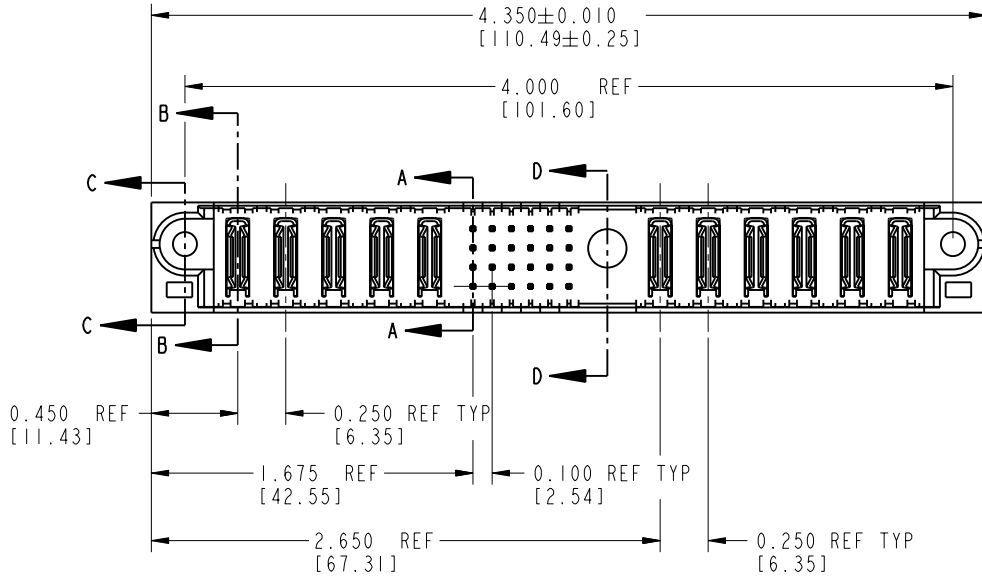
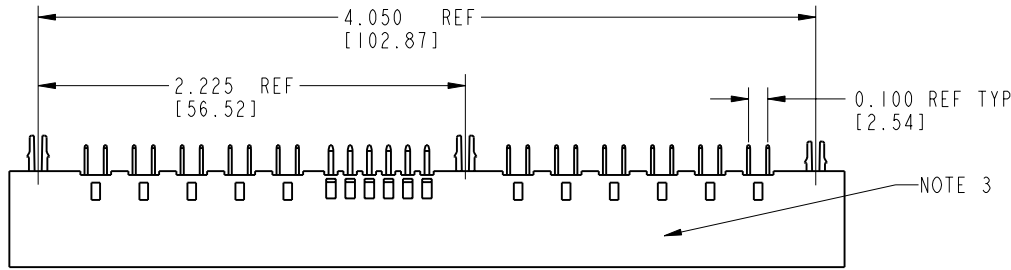


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| PRODUCT No.            | ROWS             | POWER |    |    |    |    | SIGNAL |   |   |   |   |   | POWER |    |    |    |    |    |     |     |    |  |
|------------------------|------------------|-------|----|----|----|----|--------|---|---|---|---|---|-------|----|----|----|----|----|-----|-----|----|--|
|                        |                  | E1    | P1 | P2 | P3 | P4 | P5     | 1 | 2 | 3 | 4 | 5 | 6     | M1 | P6 | P7 | P8 | P9 | P10 | P11 | E2 |  |
| 51860-001--<br>NOTE: 2 | D<br>C<br>B<br>A |       | PA | PA | PA | PA | PA     | E | E | E | E | E | E     | E  | HA | PA | PA | PA | PA  | PA  | PA |  |



| CODE | DIM "M"<br>±.010 [0.25] | CONTACT<br>TYPE |
|------|-------------------------|-----------------|
| E    | 0.270 [6.86]            | SIGNAL          |
| H    | 0.220 [5.59]            | SIGNAL          |
| PA   | N/A [N/A]               | POWER           |
| HA   | N/A [N/A]               | HOLD-DOWN       |

|             |                |       |          |        |                        |                                       |            |          |                        |                        |        |
|-------------|----------------|-------|----------|--------|------------------------|---------------------------------------|------------|----------|------------------------|------------------------|--------|
| mat'l code  |                |       |          | NOTE 1 |                        | tolerances unless otherwise specified |            | CUSTOMER |                        | <br>www.fciconnect.com |        |
| ltr         | ecn no.        | dr    | date     | linear | .XX±.01/0.X±0.3        |                                       | COPY       |          | title                  |                        |        |
| A           | V11839         | JRW   | 07/06/01 |        | .XXX±.005/0.XXX±0.13   |                                       | projection |          | 5P + 24S + 1M + 6P     |                        |        |
| B           | V12513         | DAI   | 10/18/01 |        | .XXX±.0020/0.XXX±0.051 |                                       |            |          | VERTICAL SOLDER HEADER |                        |        |
| C           | V21104         | TAB   | 09/30/02 |        | ° ± °                  |                                       | INCH/MM    |          | product family         |                        | code   |
| D           | DG05-0530      | GuoJM | 12/09/05 | dr     | C. DAILY               | 03/08/01                              | scale      |          | PWRBLADE               |                        | 213    |
|             |                |       |          | engr   | E. TREECE              | 03/07/01                              | 1:1        |          | size                   |                        | sheet  |
|             |                |       |          | chr    | E. TREECE              | 03/08/01                              |            |          | dwg no                 |                        | 1 of 3 |
|             |                |       |          | appd   | E. TREECE              | 03/08/01                              |            |          | A                      |                        | 51860  |
| sheet index | revision sheet | D     | D        | D      |                        |                                       |            |          |                        |                        |        |
|             |                | 1     | 2        | 3      |                        |                                       |            |          |                        |                        |        |

1 | 2

Pro/E

3 |

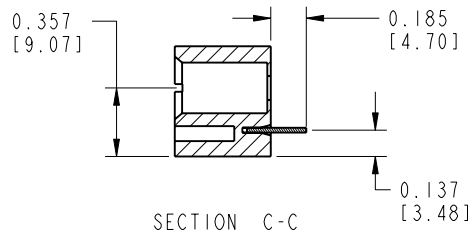
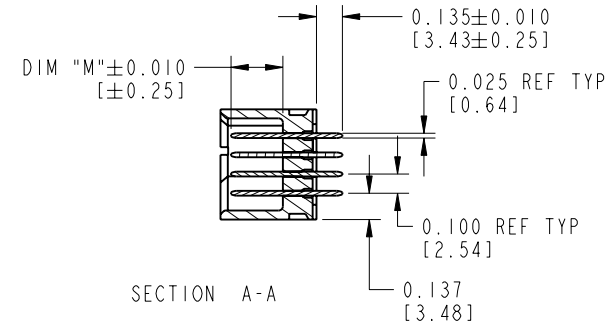
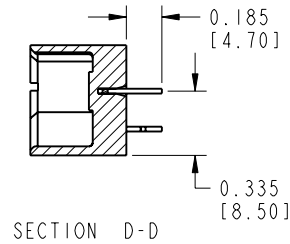
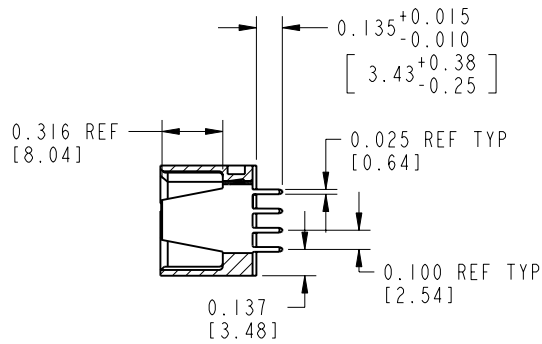
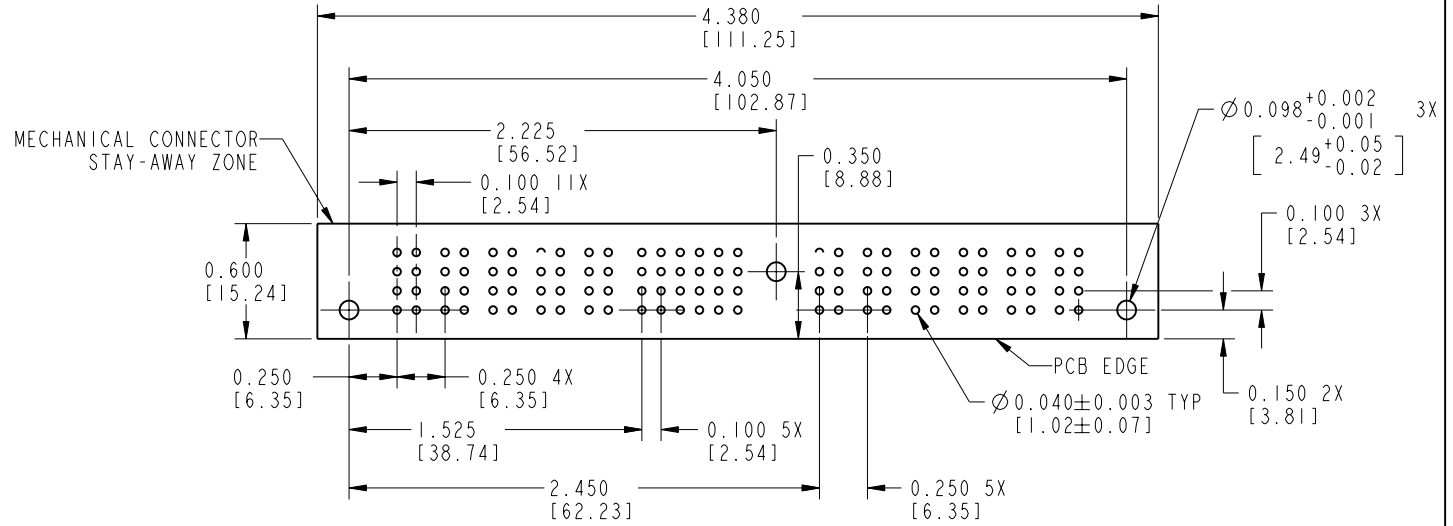
coge code 22526

4

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PRODUCT NUMBER  
51860-001--  
NOTE: 2



| mat'l code  |                | NOTE 1 |      | tolerances unless otherwise specified |                        | CUSTOMER   |                          | FCI      |       |
|-------------|----------------|--------|------|---------------------------------------|------------------------|------------|--------------------------|----------|-------|
| lfr         | ecn no.        | dr     | date | linear                                | .XX±.01/0.X±0.3        | COPY       | www.fciconnect.com       |          |       |
| D           |                |        |      | angles                                | .XXX±.005/0.XX±0.13    | projection | title 5P + 24S + 1M + 6P |          |       |
|             |                |        |      | dr                                    | .XXX±.0020/0.XXX±0.051 | INCH/MM    | VERTICAL SOLDER HEADER   |          |       |
|             |                |        |      | enrg                                  | 0°±2°                  | scale      | product family           | PWRBLADE | code  |
|             |                |        |      | chr                                   | C. DAILY 03/08/01      | 1:1        | size                     | dwg no   | 213   |
|             |                |        |      | appd                                  | E. TREECE 03/07/01     |            | A                        | 51860    | sheet |
|             |                |        |      |                                       | E. TREECE 03/08/01     |            |                          |          | 2     |
| sheet index | revision sheet |        |      |                                       |                        |            |                          |          |       |

Pro/E

coge code 22526

PDM: Rev:D

STATUS: Released

Printed: Aug 11, 2007

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**FCI**

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A

B

**PRODUCT NUMBER**

51860-001\_\_  
NOTE: 2

**CONNECTOR NOTES:**

1. HOUSING MATERIAL: UL 94 V-0 GLASS FILLED HIGH TEMP THERMOPLASTIC  
POWER CONTACT MATERIAL: COPPER ALLOY  
SIGNAL CONTACT MATERIAL: COPPER ALLOY

2. PLATING:

51860-001 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.

51860-001LF 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 51860-001LF 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.

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

4. PRODUCT SPECIFICATION GS-12-149

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

**PCB NOTES:**


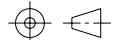
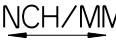
6. ALL DIMENSIONS ARE BASIC UNLESS OTHERWISE SPECIFIED.

7. ALL THROUGH HOLES ARE LOCATED WITH A TRUE POSITION OF 0.004 [0.10]

8. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE

9. Ø0.098[2.41] THROUGH HOLES ARE UNPLATED.

10. Ø0.0453±0.0010 [1.151±0.025] DRILLED HOLES PLATED WITH 0.0003 [0.008] MIN SnPb OVER 0.001 [0.03] TO 0.003 [0.08] Cu PLATING TO ACHIEVE A Ø0.040±0.003 [1.02±0.07] HOLE.

| mat'l code  |                | NOTE 1 |      | tolerances unless otherwise specified |                        | CUSTOMER  |  | <br>www.fciconnect.com |  |
|-------------|----------------|--------|------|---------------------------------------|------------------------|---|--|---|--|
| lfr         | ecn no.        | dr     | date | linear                                | .XX±.01/0.X±0.3        | COPY  |  | title 5P + 24S + 1M + 6P  |  |
| D           |                |        |      | projection                            | .XXX±.005/0.XX±0.13    |  |  | VERTICAL SOLDER HEADER  |  |
|             |                |        |      | angles                                | .XXX±.0020/0.XXX±0.051 |  |  | product family PWRBLADE code 213  |  |
|             |                |        |      | dr                                    | C. DAILY 03/08/01      | INCH/MM   |  | size dwg no   |  |
|             |                |        |      | engr                                  | E. TREECE 03/07/01     | scale 1:1   |  | A 51860 sheet 3   |  |
|             |                |        |      | chr                                   | E. TREECE 03/08/01     |   |  |   |  |
|             |                |        |      | appd                                  | E. TREECE 03/08/01     |   |  |   |  |
| sheet index | revision sheet |        |      |                                       |                        |   |  |   |  |

A

B

1 | 2

3 |

4

1 | 2

Pro/E

3 |

coge code 22526

4

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