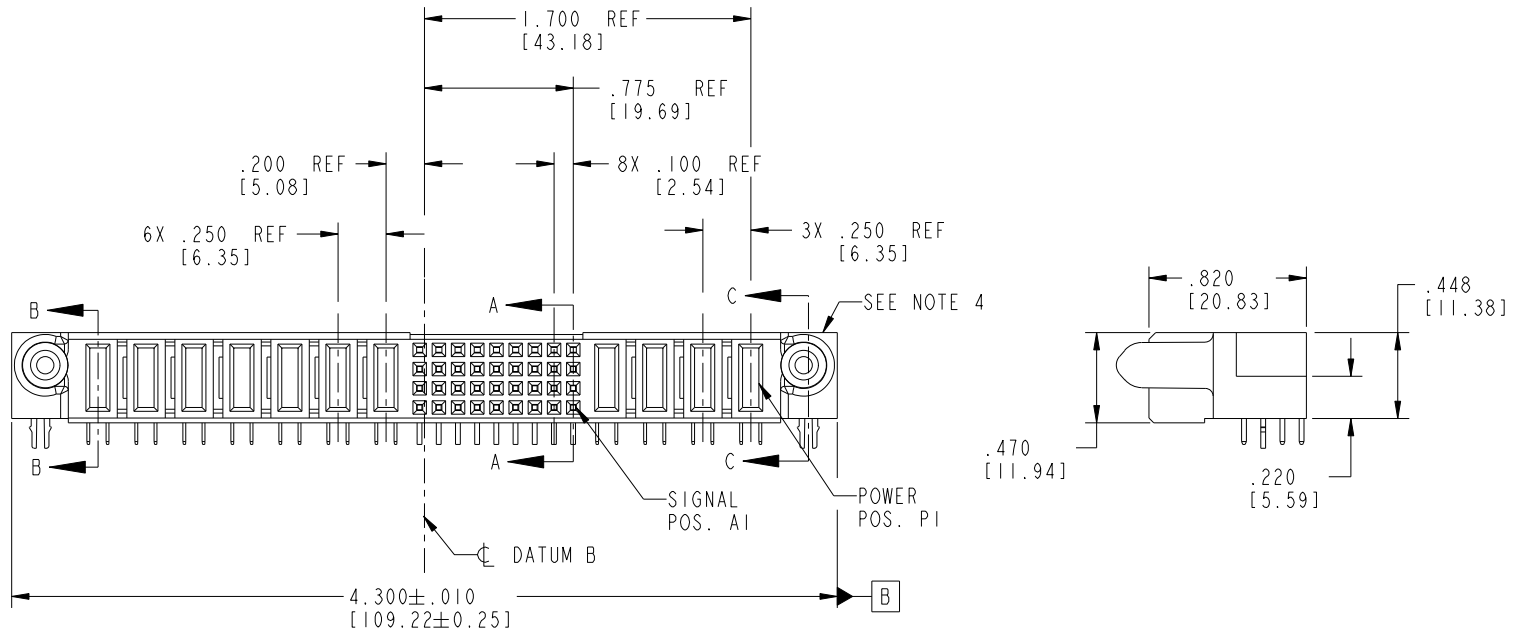
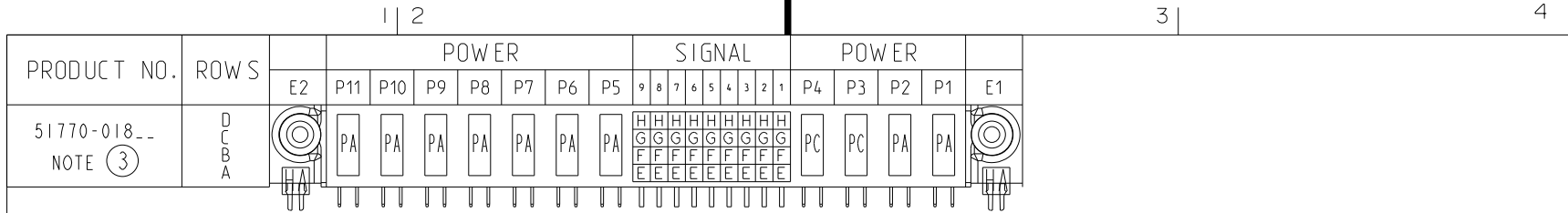
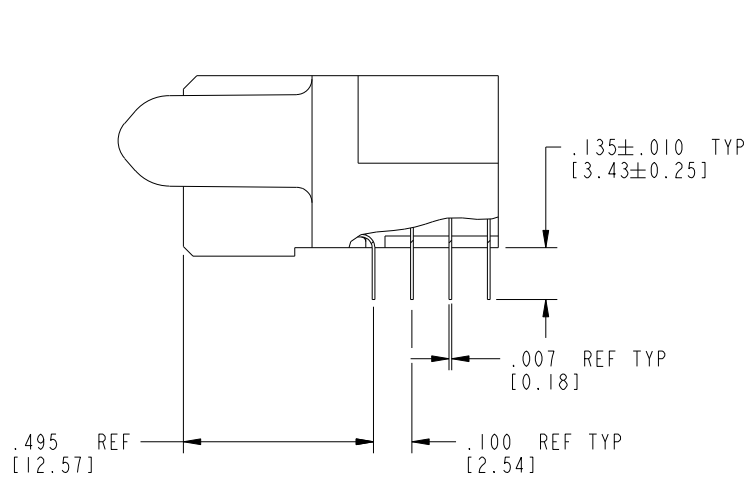




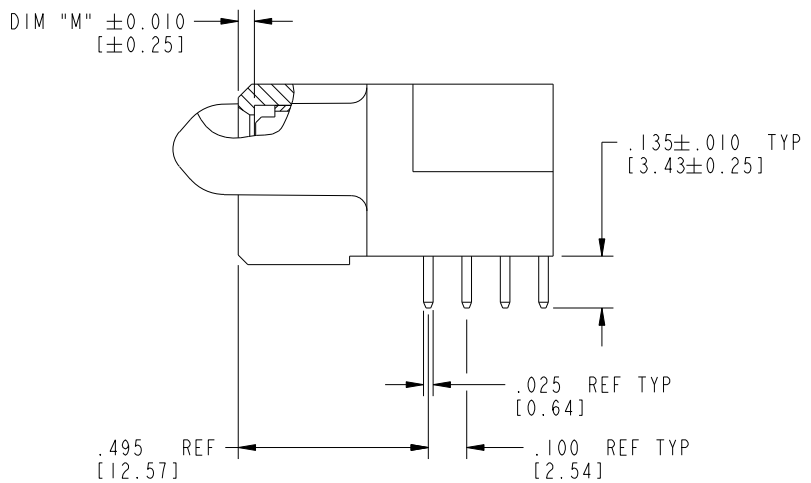
| CODE | DIM "M"<br>MATING<br>LENGTH | CONTACT<br>TYPE |
|------|-----------------------------|-----------------|
| E    | N/A [N/A]                   | SIGNAL          |
| F    | N/A [N/A]                   | SIGNAL          |
| G    | N/A [N/A]                   | SIGNAL          |
| H    | N/A [N/A]                   | SIGNAL          |
| PA   | .042 [1.07]                 | POWER           |
| PC   | .092 [2.34]                 | POWER           |
| HA   | N/A [N/A]                   | HOLD-DOWN       |

|             |           |          |          |            |                           |                                          |            |          |                                                                                       |                                                                                       |           |                    |                 |
|-------------|-----------|----------|----------|------------|---------------------------|------------------------------------------|------------|----------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------|--------------------|-----------------|
| mat'l code  |           |          |          | SEE NOTE 2 |                           | tolerances unless<br>otherwise specified |            | CUSTOMER |                                                                                       |  |           | www.fciconnect.com |                 |
| ltr         | ecn no.   | dr       | date     | linear     | .XX ± .01/0.X ± 0.3       |                                          | COPY       |          |  | title                                                                                 |           |                    |                 |
| A           | V04-0696  | TAB      | 07/07/04 |            | .XXX ± .005/0.XX ± 0.13   |                                          | projection |          |                                                                                       | 4P + 36S + 7P                                                                         |           |                    |                 |
| B           | V04-1133  | TAB      | 12/01/04 |            | .XXX ± .002/0.XXX ± 0.051 |                                          |            |          |                                                                                       | R/A SOLDER RECEPTACLE                                                                 |           |                    |                 |
| C           | DG08-0251 | W D      | 09/13/08 | angles     | 0° ± 2°                   |                                          |            |          |  | product family                                                                        |           | PwrBlade           | code            |
|             |           |          |          | dr         | T. BRUNGARD               | 07/07/04                                 | INCH/MM    |          |                                                                                       | size                                                                                  | dwg no    | 213                | sheet<br>1 of 4 |
|             |           |          |          | enrg       | M. GRAY                   | 07/07/04                                 | scale      |          |                                                                                       | A                                                                                     | 51770-018 |                    |                 |
|             |           |          |          | chr        | M. GRAY                   | 07/07/04                                 | 1:1        |          |                                                                                       |                                                                                       |           |                    |                 |
|             |           |          |          | appd       | M. GRAY                   | 07/07/04                                 |            |          |                                                                                       |                                                                                       |           |                    |                 |
| sheet index |           | revision |          | C          | C                         | C                                        | C          |          |                                                                                       |                                                                                       |           |                    |                 |
|             |           | sheet    |          | 1          | 2                         | 3                                        | 4          |          |                                                                                       |                                                                                       |           |                    |                 |

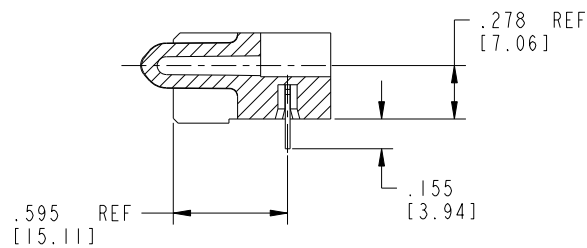
PRODUCT NUMBER  
51770-018\_\_



BROKEN-OUT SECTION A-A  
SCALE 2:1



BROKEN-OUT SECTION B-B  
SCALE 2:1



SECTION C-C

|                       |                |    |      |                                       |                        |           |  |                                              |  |
|-----------------------|----------------|----|------|---------------------------------------|------------------------|-----------|--|----------------------------------------------|--|
| mat'l code SEE NOTE 2 |                |    |      | tolerances unless otherwise specified |                        | CUSTOMER  |  | FCI                                          |  |
| ltr                   | ecn no.        | dr | date | linear                                | .XX±.01/0.X±0.3        | COPY      |  | www.fciconnect.com                           |  |
| C                     |                |    |      | projection                            | .XXX±.005/0.XX±0.13    |           |  | title 4P + 36S + 7P<br>R/A SOLDER RECEPTACLE |  |
|                       |                |    |      | angles                                | .XXX±.0020/0.XXX±0.051 |           |  |                                              |  |
|                       |                |    |      |                                       | 0°±2°                  |           |  | product family PwrBlade code 213             |  |
|                       |                |    |      | dr                                    | T. BRUNGARD 07/07/04   |           |  |                                              |  |
|                       |                |    |      | enr                                   | M. GRAY 07/07/04       | scale 1:1 |  | size dwg no A 51770-018 sheet 2 of 4         |  |
|                       |                |    |      | chr                                   | M. GRAY 07/07/04       |           |  |                                              |  |
|                       |                |    |      | appd                                  | M. GRAY 07/07/04       |           |  |                                              |  |
| sheet index           | revision sheet |    |      |                                       |                        |           |  |                                              |  |





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3 |

4

| PRODUCT NUMBER |
|----------------|
| 51770-018__    |

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

(C) (3) SEE ITEM 5 & 6 IN PRINT 10064183 FOR PLATING SPEC OF 51770-018 AND 51770-018LF RESPECTIVELY.

(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.

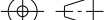
(8.) MOUNTING HOLES, WHERE APPLICABLE, ARE UNPLATED.

(9.)  $\varnothing .0453 \pm .0010$  [1.151  $\pm$  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  $\pm$  .07] HOLE.

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

(11.) CONNECTOR KEEP-OUT ZONE.

12. A (C) SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

|             |  |                |  |            |  |      |  |                                       |  |                       |  |          |  |                                                                                       |  |                                              |  |                                                 |  |  |  |           |  |  |  |                        |  |  |  |
|-------------|--|----------------|--|------------|--|------|--|---------------------------------------|--|-----------------------|--|----------|--|---------------------------------------------------------------------------------------|--|----------------------------------------------|--|-------------------------------------------------|--|--|--|-----------|--|--|--|------------------------|--|--|--|
| mat'l code  |  |                |  | SEE NOTE 2 |  |      |  | tolerances unless otherwise specified |  |                       |  | CUSTOMER |  |                                                                                       |  | <div>FCI</div> <div>www.fciconnect.com</div> |  |                                                 |  |  |  |           |  |  |  |                        |  |  |  |
| ltr         |  | ecn no.        |  | dr         |  | date |  | linear                                |  | COPY                  |  |          |  | projection                                                                            |  |                                              |  | title<br>4P + 36S + 7P<br>R/A SOLDER RECEPTACLE |  |  |  |           |  |  |  |                        |  |  |  |
| C           |  |                |  |            |  |      |  |                                       |  | XX±.01/0.X±0.3        |  |          |  |                                                                                       |  |                                              |  |                                                 |  |  |  |           |  |  |  |                        |  |  |  |
|             |  |                |  |            |  |      |  |                                       |  | XXX±.005/0.XX±0.13    |  |          |  |                                                                                       |  |                                              |  |                                                 |  |  |  |           |  |  |  |                        |  |  |  |
|             |  |                |  |            |  |      |  | angles                                |  | XXX±.0020/0.XXX±0.051 |  |          |  |  |  |                                              |  | product family<br>PwrBlade                      |  |  |  | code      |  |  |  |                        |  |  |  |
|             |  |                |  |            |  |      |  |                                       |  | 0°±2°                 |  |          |  |                                                                                       |  |                                              |  |                                                 |  |  |  |           |  |  |  |                        |  |  |  |
|             |  |                |  |            |  |      |  |                                       |  | T. BRUNGARD 07/07/04  |  |          |  |                                                                                       |  |                                              |  |                                                 |  |  |  |           |  |  |  |                        |  |  |  |
|             |  |                |  |            |  |      |  | dr                                    |  | M. GRAY 07/07/04      |  |          |  | INCH/MM                                                                               |  |                                              |  | size<br>dwg no                                  |  |  |  | 51770-018 |  |  |  | 213<br>sheet<br>4 of 4 |  |  |  |
|             |  |                |  |            |  |      |  | enrg                                  |  | M. GRAY 07/07/04      |  |          |  |                                                                                       |  |                                              |  |                                                 |  |  |  |           |  |  |  |                        |  |  |  |
|             |  |                |  |            |  |      |  | chr                                   |  | M. GRAY 07/07/04      |  |          |  |                                                                                       |  |                                              |  |                                                 |  |  |  |           |  |  |  |                        |  |  |  |
|             |  |                |  |            |  |      |  | appd                                  |  | M. GRAY 07/07/04      |  |          |  | scale                                                                                 |  |                                              |  | A                                               |  |  |  |           |  |  |  |                        |  |  |  |
|             |  |                |  |            |  |      |  |                                       |  |                       |  |          |  | 1:1                                                                                   |  |                                              |  |                                                 |  |  |  |           |  |  |  |                        |  |  |  |
| sheet index |  | revision sheet |  |            |  |      |  |                                       |  |                       |  |          |  |                                                                                       |  |                                              |  |                                                 |  |  |  |           |  |  |  |                        |  |  |  |

B

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1 | 2

Pro/E

PDM: Rev:C

STATUS: Released

Printed: Dec 20, 2010