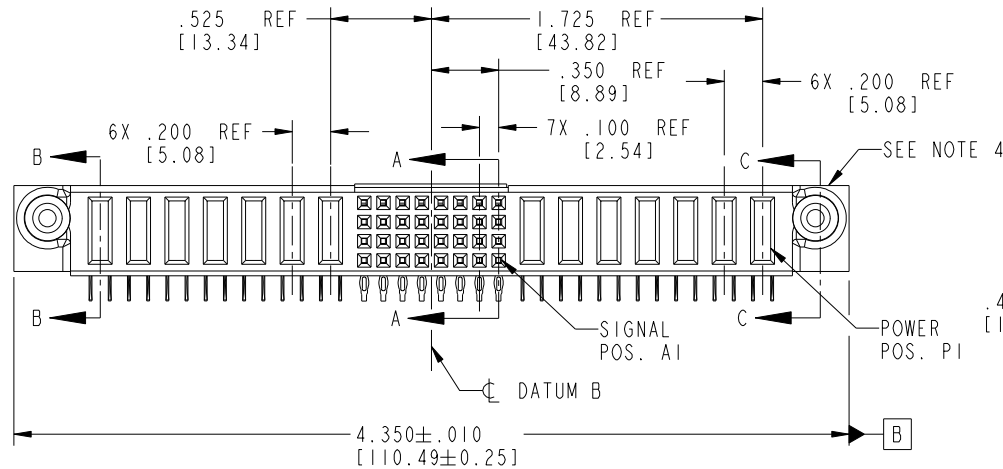
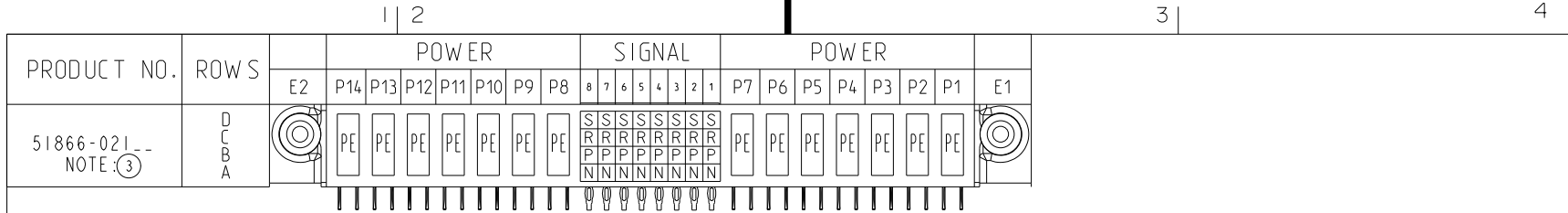


| CODE | DIM "M"<br>MATING<br>LENGTH | CONTACT<br>TYPE |
|------|-----------------------------|-----------------|
| N    | N/A [N/A]                   | SIGNAL          |
| P    | N/A [N/A]                   | SIGNAL          |
| R    | N/A [N/A]                   | SIGNAL          |
| S    | N/A [N/A]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

|                          |                |     |          |                                          |                         |                |  |                          |  |
|--------------------------|----------------|-----|----------|------------------------------------------|-------------------------|----------------|--|--------------------------|--|
| mat'l code<br>SEE NOTE 2 |                |     |          | tolerances unless<br>otherwise specified |                         | CUSTOMER       |  | FCI                      |  |
| ltr                      | ecn no.        | dr  | date     | linear                                   | .XX±.01/0.X±0.3         | COPY           |  | www.fciconnect.com       |  |
| A                        | V03-1128       | TAB | 10/20/03 |                                          | .XXX±.005/0.XX±0.13     | projection     |  | title                    |  |
| B                        | DG05-0168      | SJ  | 06/17/05 |                                          | .XXXX±.0020/0.XXX±0.051 | INCH/MM        |  | 7P + 32S + 7P            |  |
| C                        | DG08-0251      | W D | 09/16/08 | angles                                   | 0°±2°                   | scale          |  | R/A PRESS-FIT RECEPTACLE |  |
|                          |                |     |          | dr                                       | T. BRUNGARD 10/20/03    | product family |  | PwrBlade                 |  |
|                          |                |     |          | enrg                                     | M. GRAY 10/20/03        | size           |  | 213                      |  |
|                          |                |     |          | chr                                      | M. GRAY 10/20/03        | dwg no         |  | 51866-021                |  |
|                          |                |     |          | appd                                     | M. GRAY 10/20/03        | sheet          |  | 1 of 4                   |  |
| sheet index              | revision sheet | C 1 | C 2      | C 3                                      | C 4                     |                |  |                          |  |

B

B

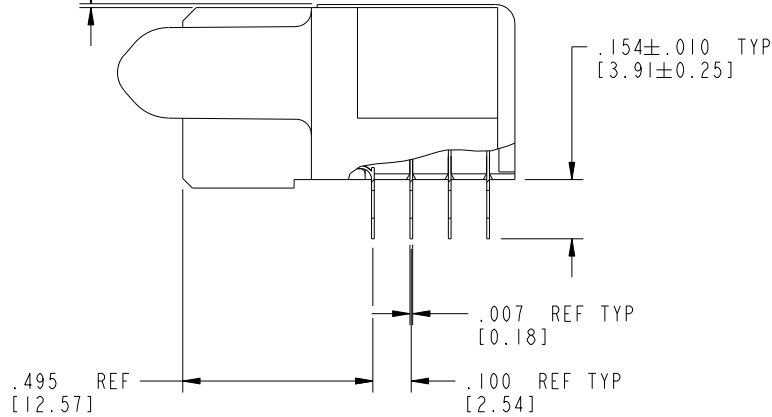
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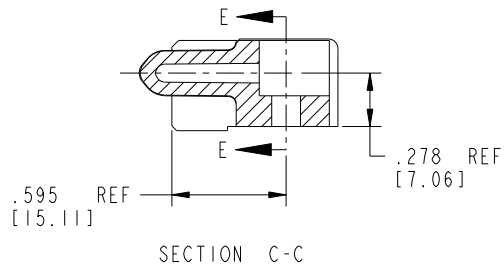
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PRODUCT NUMBER  
51866-021--  
NOTE:③

.010 REF  
[0.25]

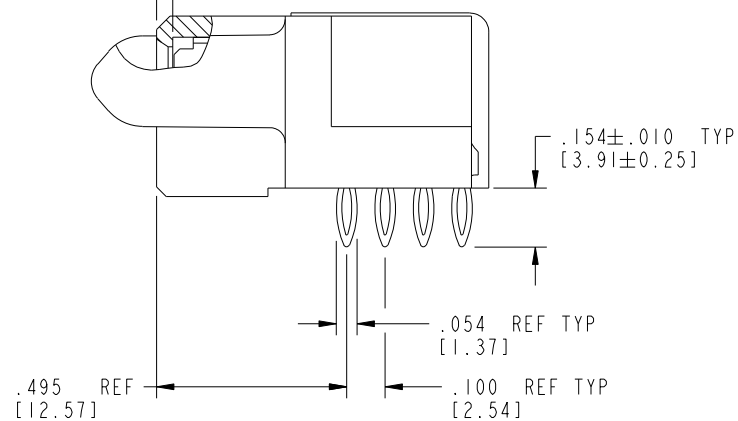


BROKEN-OUT SECTION A-A  
SCALE 2:1

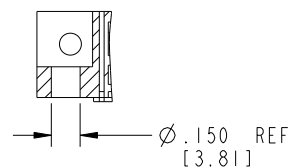


SECTION C-C

DIM "M" ±0.010  
[±0.25]



BROKEN-OUT SECTION B-B  
SCALE 2:1



PARTIAL SECTION E-E

|                       |                |    |      |                                       |                         |           |  |                          |  |
|-----------------------|----------------|----|------|---------------------------------------|-------------------------|-----------|--|--------------------------|--|
| 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 7P + 32S + 7P      |  |
|                       |                |    |      | angles                                | .XXXX±.0020/0.XXX±0.051 |           |  | R/A PRESS-FIT RECEPTACLE |  |
|                       |                |    |      | dr                                    | T. BRUNGARD 10/20/03    |           |  | product family PwrBlade  |  |
|                       |                |    |      | enr                                   | M. GRAY 10/20/03        |           |  | code 213                 |  |
|                       |                |    |      | chr                                   | M. GRAY 10/20/03        | scale 1:1 |  | size dwg no              |  |
|                       |                |    |      | appd                                  | M. GRAY 10/20/03        |           |  | A 51866-021              |  |
| sheet index           | revision sheet |    |      |                                       |                         |           |  | sheet 2 of 4             |  |

Pro/E

PDM: Rev:C

STATUS: Released

Printed: Dec 20, 2010

Printed: Dec 20, 2010

PRODUCT NUMBER  
51866-021--  
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. SEE ITEM 7 & 8 IN PRINT 10064183 FOR PLATING SPEC OF 51866-021 AND 51866-021LF 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. USE FCI CAM TOOL 430140-XXX TO APPLY CONNECTOR TO PCB.

13. A△ 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 |                          | FCI |  |
| ltr         | ecn no. | dr             | date | linear     | $.XX \pm .01 / 0.X \pm 0.3$         |                                       | COPY       |          | www.fciconnect.com       |     |  |
| C           |         |                |      |            | $.XXX \pm .005 / 0.XX \pm 0.13$     |                                       | projection |          | title 7P + 32S + 7P      |     |  |
|             |         |                |      |            | $.XXXX \pm .0020 / 0.XXX \pm 0.051$ |                                       |            |          | R/A PRESS-FIT RECEPTACLE |     |  |
|             |         |                |      | angles     | $0^\circ \pm 2^\circ$               |                                       |            |          | product family PwrBlade  |     |  |
|             |         |                |      | dr         | T. BRUNGARD                         | 10/20/03                              | INCH/MM    |          | code 213                 |     |  |
|             |         |                |      | enrg       | M. GRAY                             | 10/20/03                              | scale      |          | size dwg no              |     |  |
|             |         |                |      | chr        | M. GRAY                             | 10/20/03                              | 1:1        |          | sheet 4 of 4             |     |  |
|             |         |                |      | appd       | M. GRAY                             | 10/20/03                              |            |          | A 51866-021              |     |  |
| sheet index |         | revision sheet |      |            |                                     |                                       |            |          |                          |     |  |