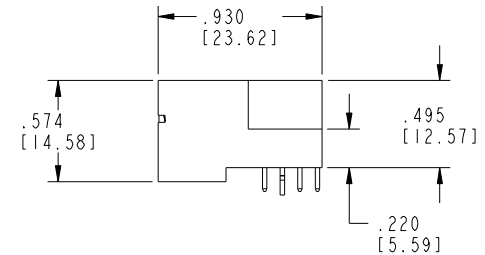
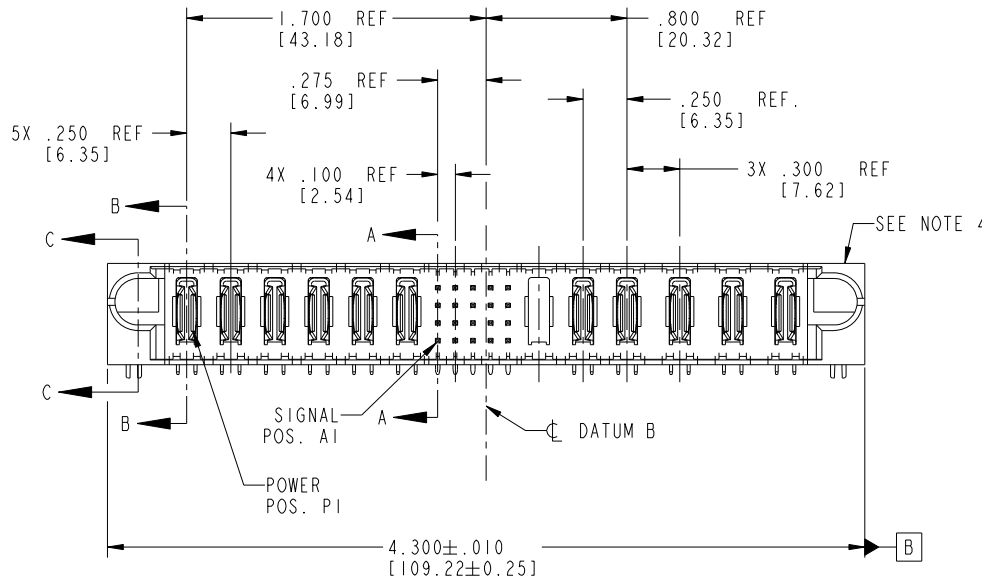
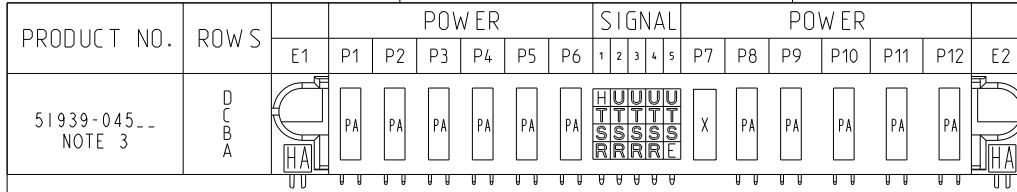


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| CODE | DIM "M" MATING LENGTH | CONTACT TYPE |
|------|-----------------------|--------------|
| E    | .220 [5.59]           | SIGNAL       |
| H    | .220 [5.59]           | SIGNAL       |
| R    | .270 [6.86]           | SIGNAL       |
| S    | .270 [6.86]           | SIGNAL       |
| T    | .270 [6.86]           | SIGNAL       |
| U    | .270 [6.86]           | SIGNAL       |
| PA   | N/A [N/A]             | POWER        |
| HA   | N/A [N/A]             | HOLD-DOWN    |
| X    | OMITTED               | OMITTED      |

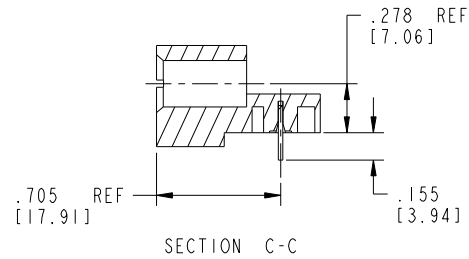
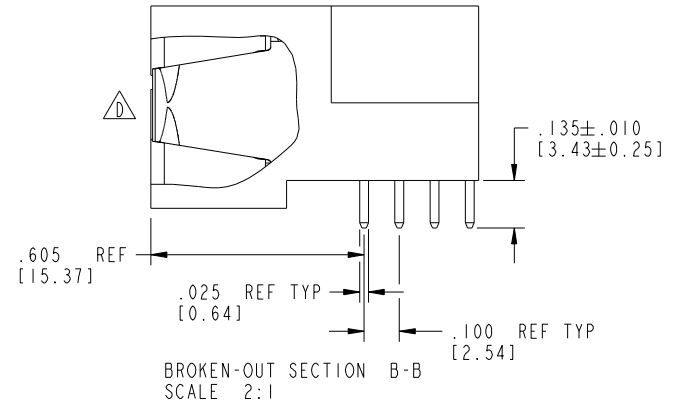
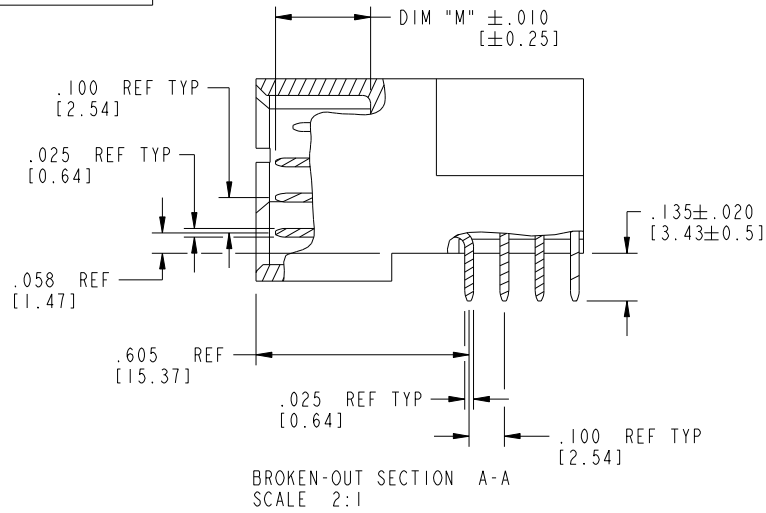
|             |                |      |          |            |                        |                                       |             |          |                           |                        |           |
|-------------|----------------|------|----------|------------|------------------------|---------------------------------------|-------------|----------|---------------------------|------------------------|-----------|
| mat'l code  |                |      |          | SEE NOTE 2 |                        | tolerances unless otherwise specified |             | CUSTOMER |                           | <br>www.fciconnect.com |           |
| ltr         | ecn no.        | dr   | date     | linear     | .XX±.01/0.X±0.3        |                                       | COPY        |          | title                     |                        |           |
| A           | V03-0163       | TAB  | 02/10/03 |            | .XXX±.005/0.XX±0.13    |                                       | projection  |          | 6P + 20S + 6P             |                        |           |
| B           | V03-0195       | MEM  | 02/18/03 | angles     | .XXX±.0020/0.XXX±0.051 |                                       | <br>INCH/MM |          | RIGHT ANGLE SOLDER HEADER |                        |           |
| C           | DG05-0541      | Ryan | 12/13/05 |            | 0°+2°                  |                                       | scale       |          | product family            |                        | code      |
| D           | DG08-0273      | WD   | 12/30/08 | dr         | T. BRUNGARD            | 02/10/03                              | 1:1         |          | PwrBlade                  |                        | 213       |
|             |                |      |          | enr        | M. MOSTOLLER           | 02/10/03                              |             |          | size                      |                        | sheet     |
|             |                |      |          | chr        | M. MOSTOLLER           | 02/10/03                              |             |          | dwg no                    |                        | 1 of 4    |
|             |                |      |          | appd       | M. MOSTOLLER           | 02/10/03                              |             |          | A                         |                        | 51939-045 |
| sheet index | revision sheet | D    | D        | D          | D                      |                                       |             |          | cage code                 |                        |           |
|             |                | 1    | 2        | 3          | 4                      |                                       |             |          | 22526                     |                        | 4         |

1 | 2 | Pro/E | 3 | cage code 22526 | 4

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PRODUCT NUMBER  
51939-045\_\_  
NOTE 3



|             |         |                |      |                                       |                        |          |  |                |  |                           |  |
|-------------|---------|----------------|------|---------------------------------------|------------------------|----------|--|----------------|--|---------------------------|--|
| mat'l code  |         | SEE NOTE 2     |      | tolerances unless otherwise specified |                        | CUSTOMER |  | FCI            |  | www.fciconnect.com        |  |
| ltr         | ecn no. | dr             | date | linear                                | .XX±.01/0.X±0.3        | COPY     |  | projection     |  | title                     |  |
| D           |         |                |      |                                       | .XXX±.005/0.XX±0.13    | INCH/MM  |  | 6P + 20S + 6P  |  | RIGHT ANGLE SOLDER HEADER |  |
|             |         |                |      | angles                                | .XXX±.0020/0.XXX±0.051 | 1:1      |  | product family |  | code                      |  |
|             |         |                |      | dr                                    | 0°+2°                  | A        |  | PwrBlade       |  | 213                       |  |
|             |         |                |      | enr                                   | T. BRUNGARD 02/10/03   | A        |  | size           |  | sheet                     |  |
|             |         |                |      | chr                                   | M. MOSTOLLER 02/10/03  | A        |  | dwg no         |  | 2 of 4                    |  |
|             |         |                |      | appd                                  | M. MOSTOLLER 02/10/03  | A        |  | 51939-045      |  |                           |  |
| sheet index |         | revision sheet |      |                                       |                        |          |  |                |  |                           |  |

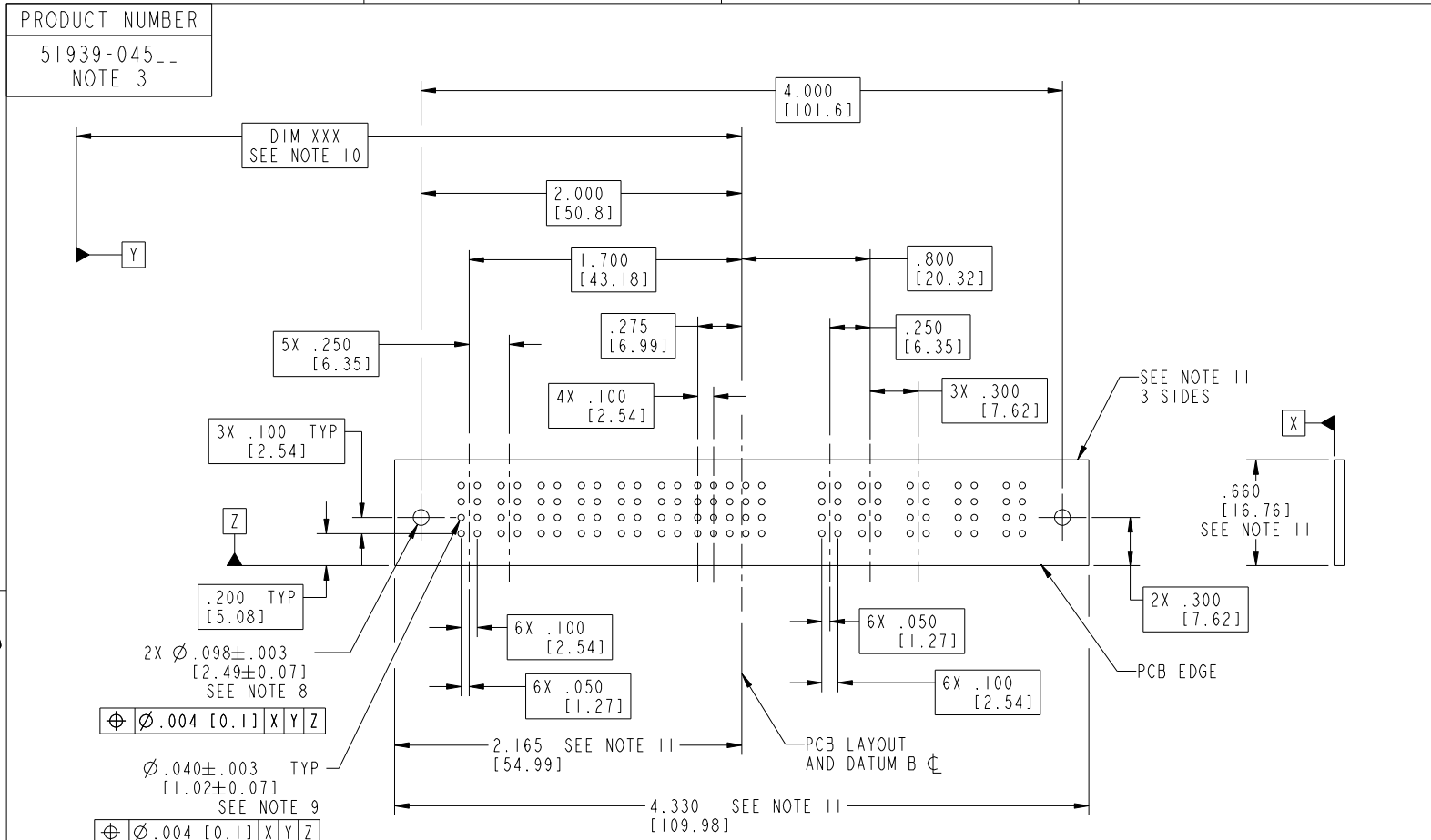
cage code 22526

Pro/E

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RECOMMENDED PCB LAYOUT

|             |                |            |      |                                       |                        |            |  |                                  |  |
|-------------|----------------|------------|------|---------------------------------------|------------------------|------------|--|----------------------------------|--|
| mat'l code  |                | SEE NOTE 2 |      | tolerances unless otherwise specified |                        | CUSTOMER   |  | www.fciconnect.com               |  |
| ltr         | ecn no.        | dr         | date | linear                                | .XX±.01/0.X±0.3        | COPY       |  | title                            |  |
| D           |                |            |      |                                       | .XXX±.005/0.XX±0.13    | projection |  | 6P + 20S + 6P                    |  |
|             |                |            |      | angles                                | .XXX±.0020/0.XXX±0.051 |            |  | RIGHT ANGLE SOLDER HEADER        |  |
|             |                |            |      | dr                                    | 0°±2°                  | INCH/MM    |  | product family PwrBlade code 213 |  |
|             |                |            |      | enrg                                  | T. BRUNGARD 02/10/03   | scale      |  | size dwg no 213                  |  |
|             |                |            |      | chr                                   | M. MOSTOLLER 02/10/03  | 1:1        |  | A 51939-045 sheet 3 of 4         |  |
|             |                |            |      | appd                                  | M. MOSTOLLER 02/10/03  |            |  |                                  |  |
| sheet index | revision sheet |            |      |                                       |                        |            |  |                                  |  |

cage code 22526

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PRODUCT NUMBER  
51939-045\_\_  
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 1 & 2 IN PRINT 10064183 FOR PLATING SPEC OF 51939-045 AND 51939-045LF 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  $\Delta$  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         |  | www.fciconnect.com |  |
| ltr         | ecn no.        | dr         | date | linear                                | .XX±.01/0.X±0.3       | COPY     |  | projection  |  | title              |  |
| D           |                |            |      |                                       | .XXX±.005/0.XX±0.13   |          |  | RIGHT ANGLE |  | 6P + 20S + 6P      |  |
|             |                |            |      | angles                                | .XXX±.002/0.XXX±0.051 |          |  | INCH/MM     |  | product family     |  |
|             |                |            |      | dr                                    | 0°±2°                 |          |  | scale       |  | PwrBlade           |  |
|             |                |            |      | enr                                   | T. BRUNGARD 02/10/03  |          |  | size        |  | code               |  |
|             |                |            |      | chr                                   | M. MOSTOLLER 02/10/03 |          |  | dwg no      |  | 213                |  |
|             |                |            |      | appd                                  | M. MOSTOLLER 02/10/03 |          |  | A           |  | sheet              |  |
|             |                |            |      |                                       |                       |          |  | 51939-045   |  | 4 of 4             |  |
| sheet index | revision sheet |            |      |                                       |                       |          |  |             |  |                    |  |

cage code 22526