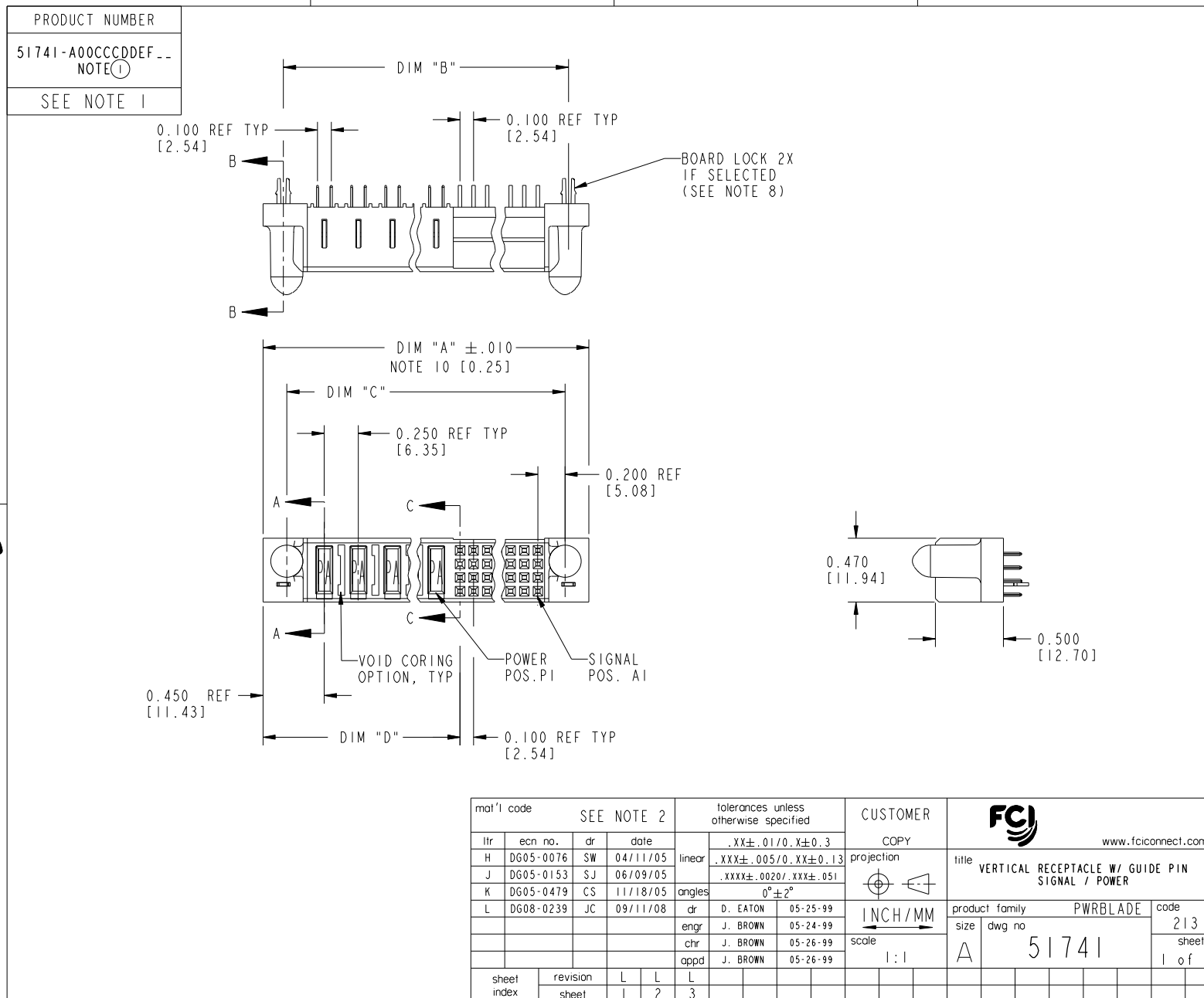




All rights strictly reserved. Reproduction or issue to third parties in any form whatever is not permitted without written authority from the proprietor. Property of FCI. Copyright FCI.

Tous droits strictement réservés. Reproduction ou communication à des tiers interdite sous quelque forme que ce soit sans autorisation écrite du propriétaire. Propriété de c FCI. Droits de reproduction FCI.



Pro/E

PDM: Rev:L

STATUS:Released

Printed: Dec 20, 2010



| PRODUCT NUMBER               | DIM     | LENGTH FORMULAS (SEE NOTE 10)                                     |
|------------------------------|---------|-------------------------------------------------------------------|
| 51741-A00CCCDDEF--<br>NOTE ① | DIM "A" | .250 [6.35] x DD + .100 [2.54] x (CCC/4) + .650 [16.51] (NOTE 10) |
| SEE NOTE 1                   | DIM "B" | .250 [6.35] x DD + .100 [2.54] x (CCC/4) + .350 [8.89]            |
|                              | DIM "C" | .250 [6.35] x DD + .100 [2.54] x (CCC/4) + .300 [7.62]            |
|                              | DIM "D" | .250 [6.35] x DD + .375 [9.53]                                    |
|                              | DIM "F" | .250 [6.35] x DD + .100 [2.54] x (CCC/4) + .680 [17.27]           |
|                              | DIM "G" | .250 [6.35] x DD + .225 [5.72]                                    |

#### CONNECTOR NOTES

- PRODUCT NUMBER CODE:  
51741 - A 00 CCC DD E F LF  
NO THIS SUFFIX: 100u"/2.54um SnPb ON PCB INTERFACE  
ADD THIS SUFFIX: 78u"/2.00um Sn ON PCB INTERFACE  
RETENTION TO PCB (NOTE 8)  
TAIL OPTIONS (NOTE 7)  
NUMBER OF LEFT END POWER CONTACTS (NOTE 6)  
NUMBER OF SIGNAL CONTACTS (NOTE 5)  
ALWAYS '00' (ZERO, ZERO) (NOTE 4)  
PLATING (NOTE 3)  
BASE NUMBER
- HOUSING MATERIAL: GLASS FILLED V-O HIGH TEMP THERMO PLASTIC.  
SIGNAL CONTACT MATERIAL: COPPER ALLOY  
POWER CONTACT MATERIAL: COPPER ALLOY
- PLATING OPTION:  
1 = SEE PRINT 10064183 FOR PLATING SPEC OF 51741-100CCCDDEF; 51741-100CCCDDEFLF
- THIS PART NOT AVAILABLE WITH RIGHT SIDE POWER CONTACTS.
- SIGNAL CONTACTS, 004 TO 148 AVAILABLE.
- LEFT END POWER CONTACTS, 01 TO 20 AVAILABLE.  
MAXIMUM OF 20 POWER CONTACTS PER CONNECTOR.
- TAIL OPTIONS:  
A = .135±.010 [3.43±.25] SOLDER TO BOARD  
C = .135±.010 [3.43±.25] PRESS FIT

- RETENTION TO PCB OPTIONS:  
A = BOARD LOCK (REQUIRES .098 + .002, -.001 [2.49 +0.05, -0.03] THRU HOLE IN PCB)  
BOARD LOCK TO BE USED IN CONJUNCTION WITH AN .092 PCB OR THICKER.  
C = NO RETENTION FEATURE (ALL PRESS FIT).
  - MANUFACTURE'S NAME, P/N, AND DATE CODE TO APPEAR ON THIS SURFACE.
  - THE MAXIMUM OVERALL LENGTH (DIM A) OF A PART IS 8.00 [203.2].
  - PRODUCT SPECIFICATION GS-12-149.
  - REFERENCE 51698 FOR SPECIALS WORKSHEET.
- PCB NOTES:
- ALL DIMENSIONS ARE BASIC UNLESS OTHERWISE SPECIFIED.
  - ALL THROUGH HOLES ARE LOCATED WITH A TRUE POSITION OF .004 [0.01]
  - ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.
  - 0.0453±.001 [1.151±.02] DRILLED HOLES PLATED WITH 0.0003 [0.007] MIN SnPb OVER 0.001 [1.03] TO .003 [0.08] PLATING TO ACHIEVE A .040 ±.003 [1.02 ±.08] HOLE.
  - 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        |  | www.fciconnect.com               |          |
|-----------------------|----------------|----|------|---------------------------------------|---------------------|----------|--|------------|--|----------------------------------|----------|
| litr                  | ecn no.        | dr | date | linear                                | .XX±.01/0.X±0.3     | COPY     |  | projection |  | title                            |          |
| L                     |                |    |      |                                       | .XXX±.005/0.XX±0.13 |          |  |            |  | VERTICAL RECEPTACLE W/ GUIDE PIN |          |
|                       |                |    |      |                                       | .XXX±.0020/.XX±.051 |          |  |            |  | SIGNAL / POWER                   |          |
|                       |                |    |      | angles                                | 0°±2°               |          |  |            |  | product family                   | PWRBLADE |
|                       |                |    |      | dr                                    | D. EATON 05-25-99   |          |  |            |  | code                             | 213      |
|                       |                |    |      | enrg                                  | J. BROWN 05-24-99   |          |  |            |  | size                             | dwg no   |
|                       |                |    |      | chr                                   | J. BROWN 05-26-99   |          |  |            |  | 51741                            | sheet    |
|                       |                |    |      | appd                                  | J. BROWN 05-26-99   |          |  |            |  | 2                                |          |
| sheet index           | revision sheet |    |      |                                       |                     |          |  |            |  |                                  |          |

Pro/E

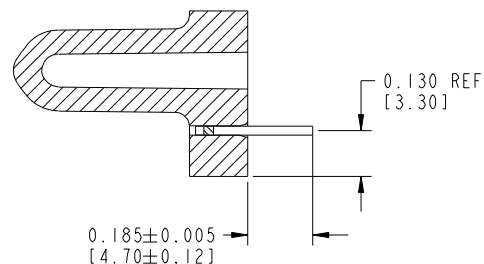
cage code 22526

Tous droits strictement réservés. Reproduction ou communication à des tiers interdite sous quelque forme que ce soit sans autorisation écrite du propriétaire. Propriété de c FCI. Droits de reproduction FCI.

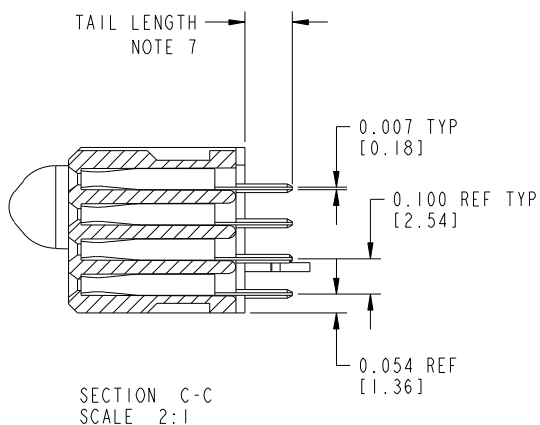


All rights strictly reserved. Reproduction or issue to third parties in any form whatever is not permitted without written authority from the proprietor. Property of FCI. Copyright FCI.

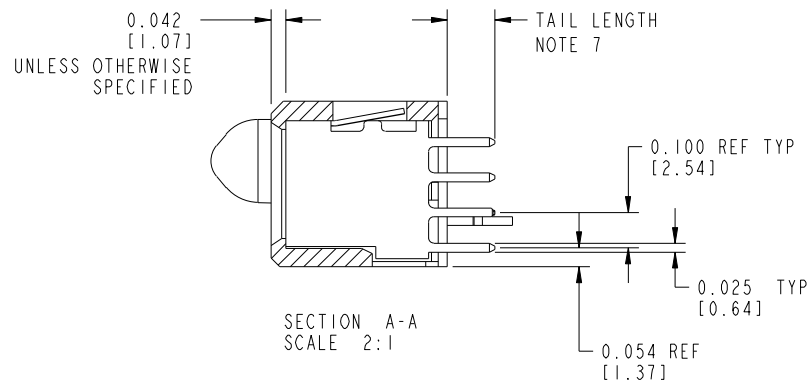
|                               |
|-------------------------------|
| PRODUCT NUMBER                |
| 51741-A00CCCDDEF --<br>NOTE ① |
| SEE NOTE 1                    |



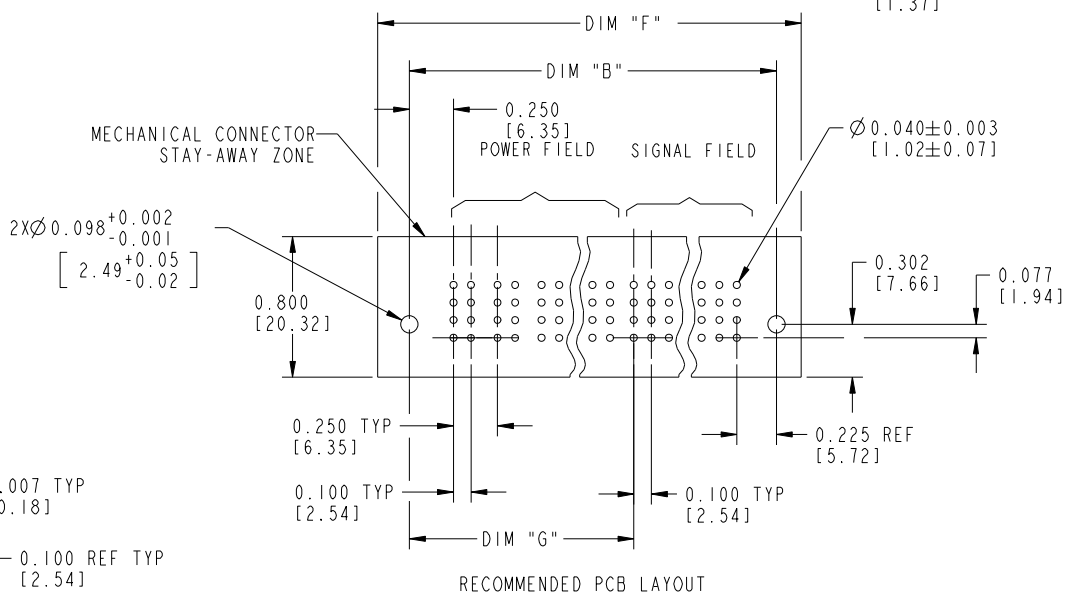
SECTION B-B  
SCALE 2:1



SECTION C-C  
SCALE 2:1



SECTION A-A  
SCALE 2:1



|             |         |                |      |            |  |                                          |                     |            |                                                                                       |                                                                                       |  |                    |  |       |     |
|-------------|---------|----------------|------|------------|--|------------------------------------------|---------------------|------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--|--------------------|--|-------|-----|
| mat'l code  |         |                |      | SEE NOTE 2 |  | tolerances unless<br>otherwise specified |                     | CUSTOMER   |                                                                                       |  |  | www.fciconnect.com |  |       |     |
| litr        | ecn no. | dr             | date |            |  | linear                                   | .XX±.01/0.XX±0.3    | COPY       |                                                                                       |                                                                                       |  |                    |  |       |     |
| L           |         |                |      |            |  |                                          | .XXX±.005/0.XX±0.13 | projection |  | title<br>VERTICAL RECEPTACLE W/ GUIDE PIN<br>SIGNAL / POWER                           |  |                    |  |       |     |
|             |         |                |      |            |  | angles                                   | .XXX±.0020/.XX±.051 |            |                                                                                       |                                                                                       |  |                    |  |       |     |
|             |         |                |      |            |  |                                          | 0°±2°               |            |  |                                                                                       |  |                    |  |       |     |
|             |         |                |      |            |  | dr                                       | D. EATON 05-25-99   |            | INCH/MM                                                                               | product family                                                                        |  | PWRBLADE           |  | code  | 213 |
|             |         |                |      |            |  | enr                                      | J. BROWN 05-24-99   |            |  | size                                                                                  |  | dwg no             |  | sheet | 3   |
|             |         |                |      |            |  | chr                                      | J. BROWN 05-26-99   | scale      |                                                                                       | A                                                                                     |  | 51741              |  |       |     |
|             |         |                |      |            |  | appd                                     | J. BROWN 05-26-99   | 1:1        |                                                                                       |                                                                                       |  |                    |  |       |     |
| sheet index |         | revision sheet |      |            |  |                                          |                     |            |                                                                                       |                                                                                       |  |                    |  |       |     |

Pro/E