

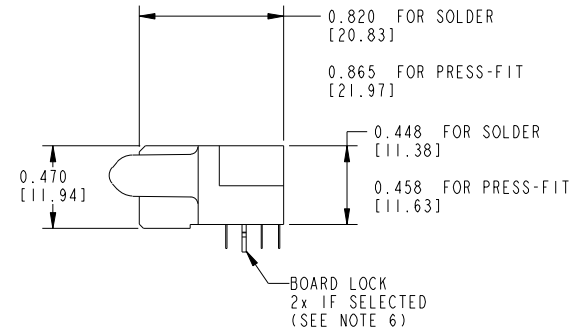
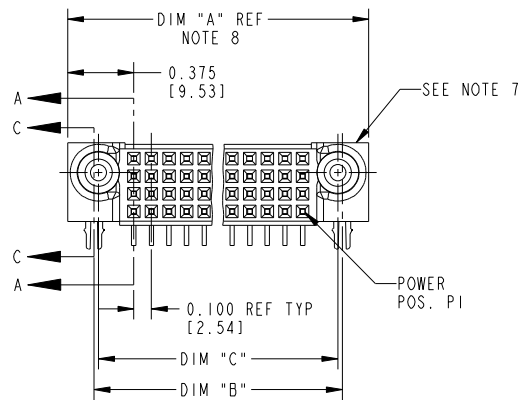
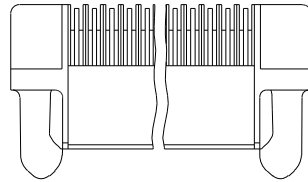
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|                     |
|---------------------|
| PRODUCT NUMBER      |
| 51968-A00CCC00EF_.. |
| SEE NOTE 1          |

1 2 3 4



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|                          |                   |      |          |                                          |                       |                                                                                                     |                                                       |                           |          |                 |
|--------------------------|-------------------|------|----------|------------------------------------------|-----------------------|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------|---------------------------|----------|-----------------|
| mat'l code<br>SEE NOTE 2 |                   |      |          | tolerances unless<br>otherwise specified |                       | CUSTOMER<br>COPY                                                                                    |                                                       | FCI<br>www.fciconnect.com |          |                 |
| ltr                      | ecr no.           | dr   | date     | linear                                   | .XX±.01/.X±.3         | projection<br> | title<br>RIGHT ANGLE RECEPTACLE w/GUIDE PIN<br>SIGNAL |                           |          |                 |
| A                        | V04-0660          | TAB  | 06/23/04 |                                          | .XXX±.005/.XX±.13     |                                                                                                     |                                                       |                           |          |                 |
| B                        | DG07-0080         | RYAN | 03/09/07 |                                          | .XXXX±.0020/.XXX±.051 |                                                                                                     |                                                       |                           |          |                 |
| C                        | DG08-0239         | JC   | 09/12/08 | angles                                   | 0°±2°                 | INCH / MM<br>scale<br>1:1                                                                           | product family                                        |                           | PwrBlade | code            |
|                          |                   |      |          | dr                                       | T. BRUNGARD 06/23/04  |                                                                                                     | size                                                  | dwg no<br>51968           | A        | 213             |
|                          |                   |      |          | enrg                                     | M. GRAY 06/23/04      |                                                                                                     |                                                       |                           |          |                 |
|                          |                   |      |          | chr                                      | M. GRAY 06/23/04      |                                                                                                     |                                                       |                           |          |                 |
|                          |                   |      |          | appd                                     | M. GRAY 06/23/04      |                                                                                                     |                                                       |                           |          | SHEET<br>1 OF 3 |
| sheet<br>index           | revision<br>sheet | C    | C        | C                                        |                       |                                                                                                     |                                                       |                           |          |                 |
|                          |                   | 1    | 2        | 3                                        |                       |                                                                                                     |                                                       |                           |          |                 |

form no. 7530-001-103

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|--------------------|
| PRODUCT NUMBER     |
| 51968-A00CCC00EF-- |
| SEE NOTE 1         |

#### CONNECTOR NOTES

- ①. PRODUCT NUMBER CODE:  
51968 - A 00 CCC 00 E F LF
- W/O THIS SUFFIX: 100u"/2.54um SnPb ON PCB INTERFACE  
WITH THIS SUFFIX: 78u"/2.00um Sn ON PCB INTERFACE ⚠
- RETENTION TO PCB (NOTE 6)  
TAIL OPTIONS (NOTE 5)  
ALWAYS "00" (ZERO, ZERO)  
NUMBER OF SIGNAL CONTACTS (NOTE 4)  
ALWAYS "00" (ZERO, ZERO)  
PLATING (NOTE 3)  
BASE NUMBER
- ②. HOUSING MATERIAL: GLASS FILLED V-O HIGH TEMP THERMO PLASTIC.  
SIGNAL CONTACT MATERIAL: COPPER ALLOY
- ③. PLATING OPTION:  
I = SEE PRINT 10064183 FOR PLATING SPEC OF 51968-100CCC00EF AND 51968-100CCC00EFLF
- ④. SIGNAL CONTACTS, 004 TO 148 AVAILABLE FOR SOLDER TO BOARD.  
020 TO 148 AVAILABLE FOR PRESS-FIT TO BOARD.
- ⑤. TAIL OPTIONS:  
A = .135 ±.010 [3.43 ±.25] SOLDER TO BOARD  
B = .090 +.005 / -.010 [2.29 +0.13 / -0.25] SOLDER TO BOARD  
C = .154 ±.010 [3.91 ±0.25] PRESS-FIT TO BOARD

| DIM     | LENGTH FORMULAS (SEE NOTE 8)                  |
|---------|-----------------------------------------------|
| DIM "A" | .100 [2.54] x (CCC/4) + .650 [16.51] (NOTE 8) |
| DIM "B" | .100 [2.54] x (CCC/4) + .350 [8.89]           |
| DIM "C" | .100 [2.54] x (CCC/4) + .300 [7.62]           |
| DIM "D" | .100 [2.54] x (CCC/4) + .680 [17.27]          |

- ⑥. RETENTION TO PCB OPTIONS:  
A = BOARD LOCK (REQUIRES .098 +.002/-.001 [2.49 +0.05/-0.03] THRU HOLE IN PCB)  
MOUNTING FOOT HEIGHT: .220[5.59]  
\*\*NOT AVAILABLE FOR PRESS-FIT\*\*  
B = .150 [3.81] THRU HOLE (REQUIRES .158 ±0.003 [4.01 ±0.08] THRU HOLE IN PCB).  
MOUNTING FOOT HEIGHT .160[4.06]  
\*\*ALWAYS AVAILABLE FOR PRESS-FIT\*\*
- ⑦. MANUFACTURE'S NAME, P/N, AND DATE CODE TO APPEAR ON THIS SURFACE.
- ⑧. THE MAXIMUM OVERALL LENGTH (DIM A) OF A PART IS 8.00 [203.2]
9. PRODUCT SPECIFICATION GS-12-149
10. APPLICATION SPECIFICATION BUS-20-067.
11. FOR PRESS-FIT CONNECTORS USE FCI CAM TOOL 430140-XXX TO APPLY CONNECTOR TO PCB.

#### PCB NOTES:

12. ALL DIMENSIONS ARE BASIC UNLESS OTHERWISE SPECIFIED.
13. ALL THROUGH HOLES ARE LOCATED WITH A TRUE POSITION OF .004[0.10]
14. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.
- ⑮.  $\varnothing 0.0453 \pm .001$  [1.151 ±0.02] DRILLED HOLES PLATED WITH 0.0003 [0.007] MIN SnPb OR Sn OVER 0.001 [1.03] TO .003 [0.08] Cu PLATING TO ACHIEVE A .040±.003 [1.02±08] HOLE.
16. A ⚠ SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

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| mat'l code  |                |    |      | tolerances unless otherwise specified |                                                            | CUSTOMER COPY  | FCI<br>www.fciconnect.com                          |  |                 |
|-------------|----------------|----|------|---------------------------------------|------------------------------------------------------------|----------------|----------------------------------------------------|--|-----------------|
| ltr         | ecn no.        | dr | date |                                       |                                                            |                |                                                    |  |                 |
| c           |                |    |      | linear                                | .XX±.01/.X±.3<br>.XXX±.005/.XX±.13<br>.XXX±.0020/.XXX±.051 | projection<br> | title<br>RIGHT ANGLE RECEPTACLE w/GUIDE PIN SIGNAL |  |                 |
|             |                |    |      | angles                                | 0°±2°                                                      |                | product family<br>PwrBlade                         |  |                 |
|             |                |    |      | dr                                    | T. BRUNGARD 06/23/04                                       | INCH / MM      | size<br>dwg no                                     |  | code<br>213     |
|             |                |    |      | enr                                   | M. GRAY 06/23/04                                           | scale<br>1:2   | 51968                                              |  | SHEET<br>2 OF 3 |
|             |                |    |      | chr                                   | M. GRAY 06/23/04                                           |                |                                                    |  |                 |
|             |                |    |      | appd                                  | M. GRAY 06/23/04                                           |                |                                                    |  |                 |
| sheet index | revision sheet |    |      |                                       |                                                            |                |                                                    |  |                 |

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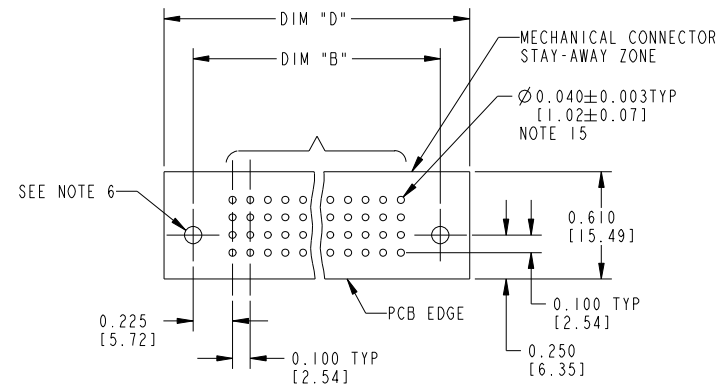
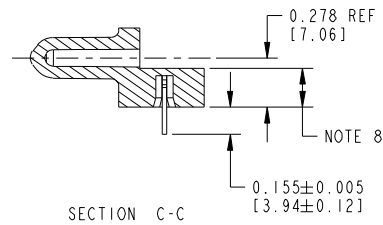
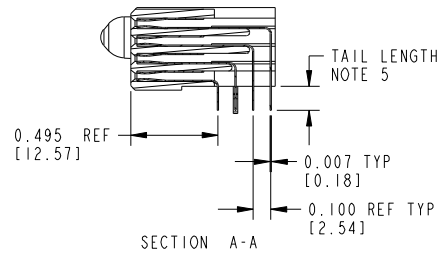
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|                   |
|-------------------|
| PRODUCT NUMBER    |
| 51968-A00CCC00EF_ |
| SEE NOTE 1        |



|             |                |    |      |                                       |                      |                                                                                                     |                                                    |                                                                                       |          |                    |              |
|-------------|----------------|----|------|---------------------------------------|----------------------|-----------------------------------------------------------------------------------------------------|----------------------------------------------------|---------------------------------------------------------------------------------------|----------|--------------------|--------------|
| mat'l code  |                |    |      | tolerances unless otherwise specified |                      | CUSTOMER COPY                                                                                       |                                                    |  |          | www.fciconnect.com |              |
| litr        | ecr no.        | dr | date | linear                                | .XX±.01/.X±.3        | projection<br> | title<br>RIGHT ANGLE RECEPTACLE w/GUIDE PIN SIGNAL | product family                                                                        | PwrBlade | code               | 213          |
| C           |                |    |      |                                       | .XXX±.005/.XX±.13    |                                                                                                     |                                                    |                                                                                       |          |                    |              |
|             |                |    |      |                                       | .XXX±.0020/.XX±.051  |                                                                                                     |                                                    |                                                                                       |          |                    |              |
|             |                |    |      | angles                                | 0°±2°                | INCH / MM<br>scale 1:1                                                                              |                                                    | size                                                                                  | dwg no   | 51968              | SHEET 3 OF 3 |
|             |                |    |      | dr                                    | T. BRUNGARD 06/23/04 |                                                                                                     |                                                    |                                                                                       |          |                    |              |
|             |                |    |      | enrg                                  | M. GRAY 06/23/04     |                                                                                                     |                                                    |                                                                                       |          |                    |              |
|             |                |    |      | chr                                   | M. GRAY 06/23/04     |                                                                                                     |                                                    |                                                                                       |          |                    |              |
|             |                |    |      | appd                                  | M. GRAY 06/23/04     |                                                                                                     |                                                    | A                                                                                     |          |                    |              |
| sheet index | revision sheet |    |      |                                       |                      |                                                                                                     |                                                    |                                                                                       |          |                    |              |

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cage code 22526