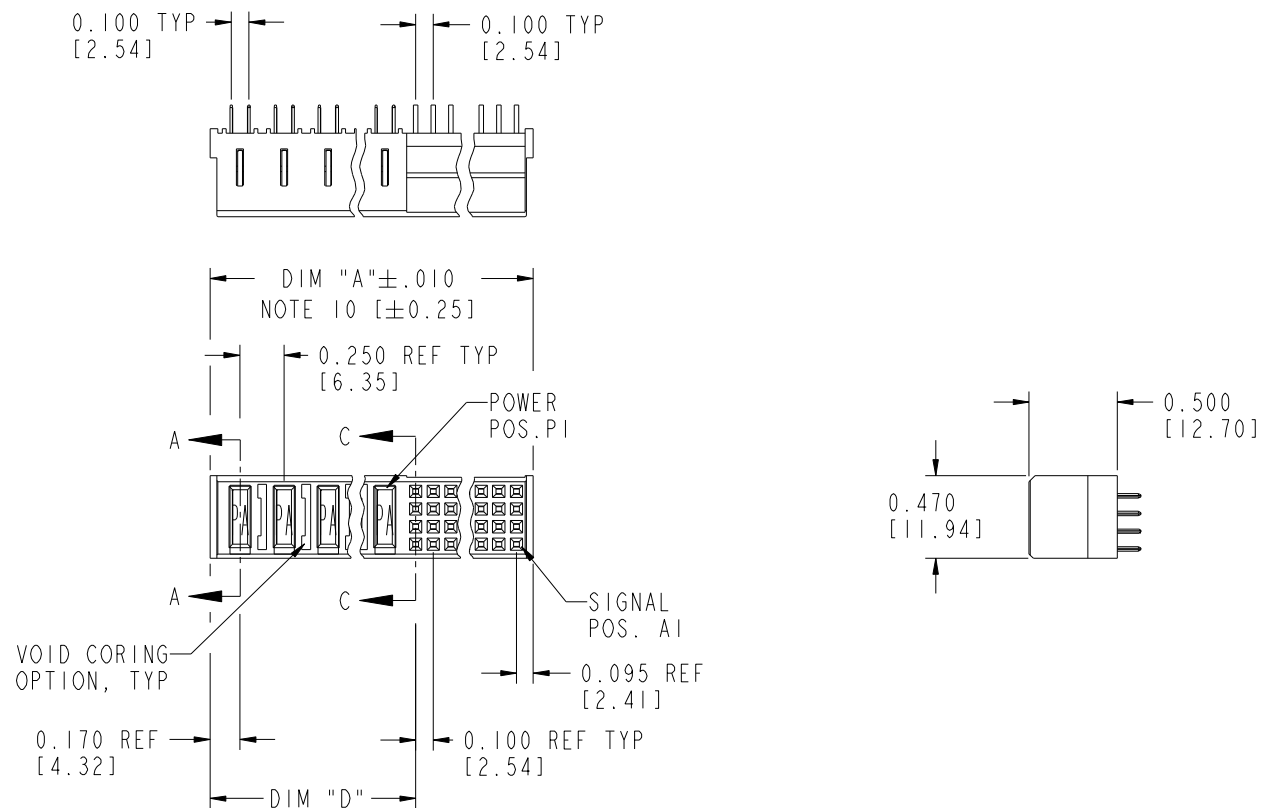




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|                   |
|-------------------|
| PRODUCT NUMBER    |
| 51745-A00CCDDE0.. |
| SEE NOTE 1        |



|             |                |    |          |            |  |                                       |  |            |  |                                   |        |                    |       |
|-------------|----------------|----|----------|------------|--|---------------------------------------|--|------------|--|-----------------------------------|--------|--------------------|-------|
| mat'l code  |                |    |          | SEE NOTE 2 |  | tolerances unless otherwise specified |  | CUSTOMER   |  | FCI                               |        | www.fciconnect.com |       |
| litr        | ecn no.        | dr | date     |            |  |                                       |  | COPY       |  |                                   |        |                    |       |
| H           | DG05-0471      | CS | 11/16/05 | linear     |  | .XX±.01/0.X±0.3                       |  | projection |  | title                             |        |                    |       |
| J           | DG08-0239      | JC | 09/11/08 |            |  | .XXX±.005/0.XX±0.13                   |  |            |  | VERTICAL RECEPTACLE w/o GUIDE PIN |        |                    |       |
|             |                |    |          | angles     |  | .XXX±.0020/.XX±.051                   |  |            |  | SIGNAL / POWER                    |        |                    |       |
|             |                |    |          | dr         |  | 0°±2°                                 |  |            |  | product family                    |        | PwrBlade           | code  |
|             |                |    |          | enr        |  | D. EATON 05-25-99                     |  | INCH/MM    |  | size                              | dwg no | 213                | sheet |
|             |                |    |          | chr        |  | J. BROWN 05-24-99                     |  | scale      |  | A                                 | 51745  | 1 OF 3             |       |
|             |                |    |          | appd       |  | J. BROWN 05-25-99                     |  | 1:1        |  |                                   |        |                    |       |
| sheet index | revision sheet | J  | J        | J          |  |                                       |  |            |  |                                   |        |                    |       |
|             |                | 1  | 2        | 3          |  |                                       |  |            |  |                                   |        |                    |       |

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| PRODUCT NUMBER    | DIM     | LENGTH FORMULAS (SEE NOTE 10)                                    |
|-------------------|---------|------------------------------------------------------------------|
| 51745-A00CCCDDE0_ | DIM "A" | .250 [6.35] x DD + .100 [2.54] x (CCC/4) + .090 [2.29] (NOTE 10) |
| SEE NOTE 1        | DIM "D" | .250 [6.35] x DD + .095 [2.41]                                   |
|                   | DIM "F" | .250 [6.35] x DD + .100 [2.54] x (CCC/4) + .120 [3.05]           |
|                   | DIM "G" | .250 [6.35] x DD - .025 [0.64]                                   |

#### CONNECTOR NOTES

- PRODUCT NUMBER CODE:  
51745 - A 00 CCC DD E 0 LF  
NO THIS SUFFIX: 100u"/2.54um SnPb ON PCB INTERFACE  
ADD THIS SUFFIX: 78u"/2.00um Sn ON PCB INTERFACE  
ALWAYS '0' (ZERO) (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:  
I = SEE PRINT 10064183 FOR PLATING SPEC OF 51745-100CCCDDE0; 51745-100CCCDDE0LF
- RIGHT END POWER CONTACT, 01 TO 20 AVAILABLE.  
MAXIMUM OF 20 POWER CONTACTS PER CONNECTOR.
- SIGNAL CONTACTS, 004 TO 148 AVAILABLE.
- THIS PART NOT AVAILABLE WITH RIGHTSIDE POWER CONTACTS.
- TAIL OPTIONS:  
A = .135±.010 [3.43±.25] SOLDER TO BOARD  
C = .135±.010 [3.43±.25] PRESS FIT

- BOARD RETENTION NOT AVAILABLE WITH GUIDELESS ENDS.
- 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 ΔSYMBOL 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         | ecr no.        | dr | date |            |  |                                       |  | COPY       |  |     |  |                    |  |
| J           |                |    |      | linear     |  | .XX±.01/0.X±0.3                       |  | projection |  |     |  |                    |  |
|             |                |    |      |            |  | .XXX±.005/0.XX±0.13                   |  |            |  |     |  |                    |  |
|             |                |    |      | angles     |  | .XXX±.0020/.XX±.051                   |  |            |  |     |  |                    |  |
|             |                |    |      | dr         |  | 0°±2°                                 |  |            |  |     |  |                    |  |
|             |                |    |      | enrg       |  | D. EATON 05-25-99                     |  | INCH/MM    |  |     |  |                    |  |
|             |                |    |      | chr        |  | PROD.ENG: I DATE.ENG: I               |  |            |  |     |  |                    |  |
|             |                |    |      | appd       |  | J. BROWN 05-25-99                     |  | scale      |  |     |  |                    |  |
|             |                |    |      |            |  | J. BROWN 05-25-99                     |  | 1:1        |  |     |  |                    |  |
| sheet index | revision sheet |    |      |            |  |                                       |  |            |  |     |  |                    |  |

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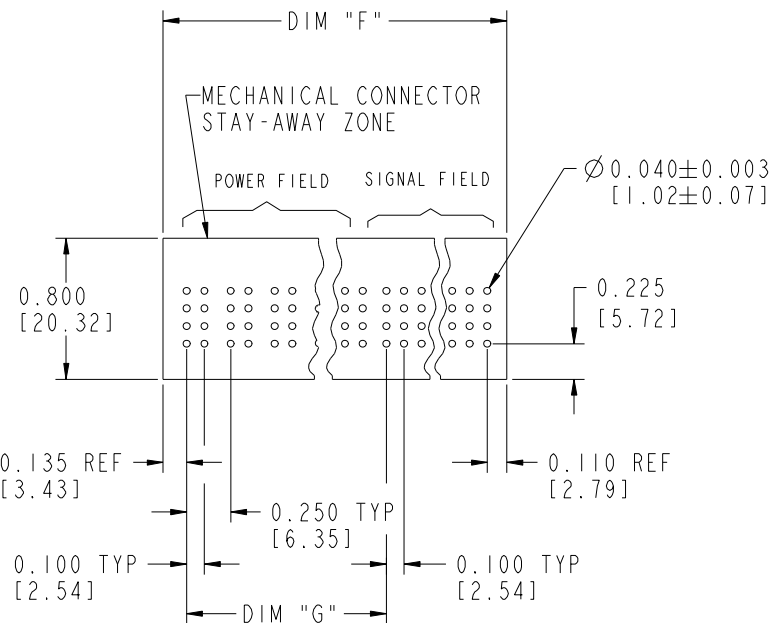
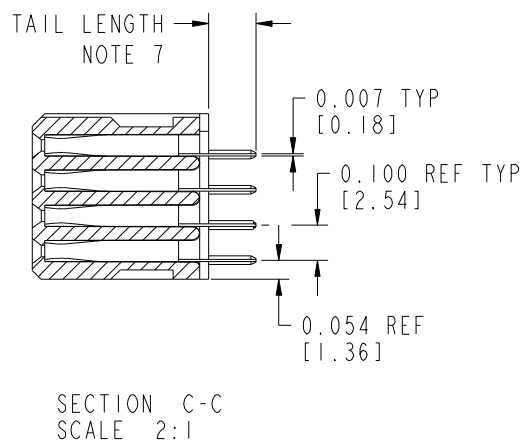
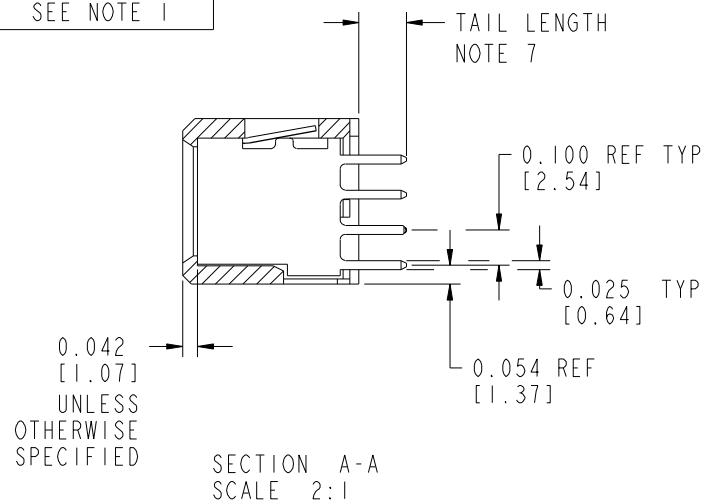
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PRODUCT NUMBER  
51745-A00CCCDDE0..  
SEE NOTE 1



|             |         |                |      |            |                     |                                          |         |          |                                                                                       |                                                                                       |          |                    |  |
|-------------|---------|----------------|------|------------|---------------------|------------------------------------------|---------|----------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------|--------------------|--|
| mat'l code  |         |                |      | SEE NOTE 2 |                     | tolerances unless<br>otherwise specified |         | CUSTOMER |                                                                                       |  |          | www.fciconnect.com |  |
| litr        | ecn no. | dr             | date | linear     | .XX±.01/.0.X±0.3    |                                          | COPY    |          | projection                                                                            | title                                                                                 |          |                    |  |
| J           |         |                |      |            | .XXX±.005/0.XX±0.13 |                                          |         |          |                                                                                       | VERTICAL RECEPTACLE w/o GUIDE PIN                                                     |          |                    |  |
|             |         |                |      | angles     | .XXX±.0020/.XX±.051 |                                          |         |          |  | SIGNAL / POWER                                                                        |          |                    |  |
|             |         |                |      |            | 0°±2°               |                                          |         |          |                                                                                       |                                                                                       |          |                    |  |
|             |         |                |      | dr         | D. EATON            | 05-25-99                                 | INCH/MM |          | product family                                                                        |                                                                                       | PwrBlade |                    |  |
|             |         |                |      | enr        | J. BROWN            | 05-24-99                                 | scale   |          | size                                                                                  |                                                                                       | dwg no   |                    |  |
|             |         |                |      | chr        | J. BROWN            | 05-25-99                                 | 1 : 1   |          | A                                                                                     |                                                                                       | 51745    |                    |  |
|             |         |                |      | appd       | J. BROWN            | 05-25-99                                 |         |          |                                                                                       |                                                                                       |          |                    |  |
| sheet index |         | revision sheet |      |            |                     |                                          |         |          |                                                                                       |                                                                                       |          |                    |  |
|             |         |                |      |            |                     |                                          |         |          |                                                                                       |                                                                                       |          |                    |  |

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