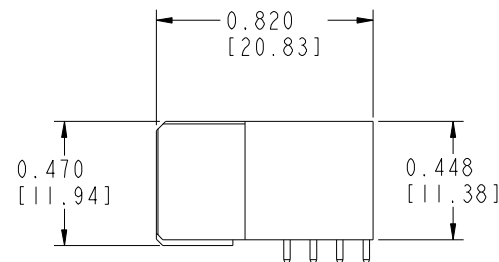
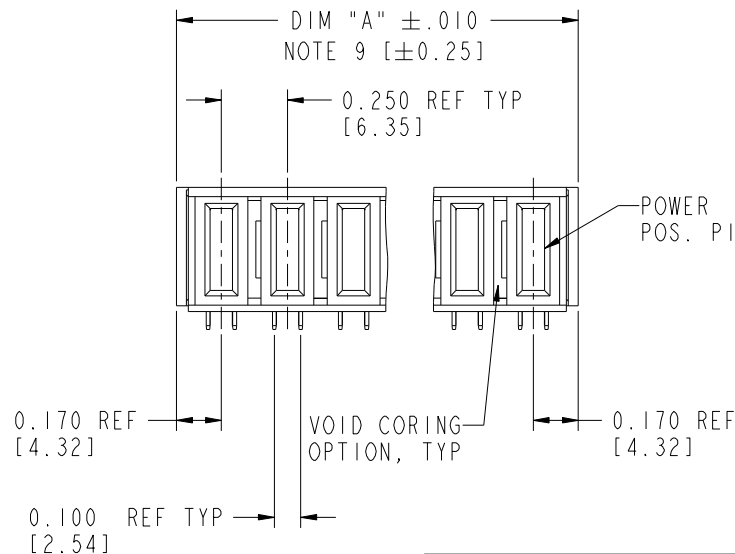
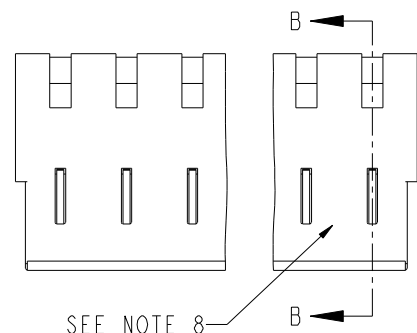


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PRODUCT NUMBER  
51767-ABB00000EF\_\_  
SEE NOTE 1



| mat'l code  |           |       |          | SEE NOTE 2 |  | tolerances unless otherwise specified |                       | CUSTOMER |  | FCI        |  | www.fciconnect.com |                                            |
|-------------|-----------|-------|----------|------------|--|---------------------------------------|-----------------------|----------|--|------------|--|--------------------|--------------------------------------------|
| litr        | ecn no.   | dr    | date     |            |  | linear                                | .XX±.01/.X±.3         | COPY     |  | projection |  | title              | RIGHT ANGLE RECEPTACLE w/o GUIDE PIN POWER |
| A           | V02389    | JRW   | 10/5/00  |            |  |                                       | .XXX±.005/.XX±.13     |          |  |            |  | product family     | PWRBLADE                                   |
| B           | V21512    | TAB   | 10/04/02 |            |  |                                       | .XXXX±.0020/.XXX±.051 |          |  |            |  | size               | dwg no                                     |
| C           | V03-0769  | TAB   | 07/18/03 |            |  | angles                                | 0°±2°                 |          |  |            |  | sheet              | 213                                        |
| D           | DG06-0295 | JMG   | 07/20/06 |            |  | dr                                    | LEV4                  | 10/14/99 |  |            |  | scale              | 1 of 3                                     |
| E           | DG07-0012 | JULIA | 01/16/07 |            |  | enrg                                  | J. BROWN              | 10/14/99 |  |            |  |                    |                                            |
| F           | DG08-0239 | JC    | 09/11/08 |            |  | chr                                   | J. BROWN              | 10/14/99 |  |            |  |                    |                                            |
|             |           |       |          |            |  | appd                                  | J. BROWN              | 10/14/99 |  |            |  |                    |                                            |
| sheet index | revision  | F     | F        | F          |  |                                       |                       |          |  |            |  |                    |                                            |
|             | sheet     | 1     | 2        | 3          |  |                                       |                       |          |  |            |  |                    |                                            |

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| PRODUCT NUMBER    | DIM     | LENGTH FORMULAS (SEE NOTE 9)            |
|-------------------|---------|-----------------------------------------|
| 51767-ABB00000EF_ | DIM "A" | .250 [6.35] x BB + .090 [2.29] (NOTE 9) |
| SEE NOTE 1        | DIM "F" | .250 [6.35] x BB + .120 [3.05]          |

#### CONNECTOR NOTES:

##### 1. PRODUCT NUMBER CODE:

51767 - A BB 000 00 E F 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 7)  
TAIL OPTIONS (NOTE 6)  
ALWAYS '00' (ZERO,ZERO)  
ALWAYS '000' (ZERO,ZERO,ZERO) (NOTE 5)  
NUMBER OF POWER CONTACTS (NOTE 4)  
PLATING (NOTE 3)  
BASE NUMBER

2. HOUSING MATERIAL: GLASS FILLED V-0 HIGH TEMP THERMO PLASTIC  
POWER CONTACT MATERIAL: COPPER ALLOY

##### 3. PLATING OPTION:

1 = SEE PRINT 10064183 FOR PLATING SPEC OF 51767-1BB00000EF; 51767-1BB00000EFLF

4. POWER CONTACTS, 01 TO 20 AVAILABLE.  
MAXIMUM OF 20 POWER CONTACTS PER CONNECTOR

5. THIS PART IS NOT AVAILABLE WITH SIGNAL CONTACTS.

##### 6. TAIL OPTIONS:

A = .135±0.010 [3.43±0.25] SOLDER TO BOARD  
B = .090 +.005/-0.010 [2.29 +0.13/-0.25] SOLDER TO BOARD  
C = .154 ±0.010 [3.91 ±0.25] PRESS-FIT TO BOARD

7. BOARD RETENTION NOT AVAILABLE WITH GUIDLESS ENDS

8. MANUFACTURE'S NAME, P/N, AND DATE CODE  
TO APPEAR ON THIS SURFACE.

9. THE MAXIMUM OVERALL LENGTH (DIM A) OF A PART  
IS 8.00 [203.2].

10. PRODUCT SPECIFICATION GS-12-149.

11. APPLICATION SPECIFICATION BUS-20-067.

#### PCB NOTES:

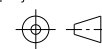
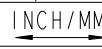
12. ALL DIMENSIONS ARE BASIC UNLESS OTHERWISE SPECIFIED.

13. ALL THROUGH HOLES ARE LOCATED WITH A  
TRUE POSITION OF 0.004 [0.10].

14. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.

15. Ø0.0453±0.001 [1.151±0.02] DRILLED HOLES PLATED WITH  
0.0003 [0.007] MIN SnPb OVER 0.001 [0.03] TO 0.003 [0.08]  
PLATING TO ACHIEVE A 0.040±0.003 [1.02±0.08] HOLE.

16. 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                                        |          |
|-------------|----------------|----|------|------------|----------|---------------------------------------|--|---------------------------------------------------------------------------------------|--|--------------------------------------------|----------|
| litr        | ecr no.        | dr | date |            |          | .XX±.01/.X±.3                         |  | COPY                                                                                  |  | www.fciconnect.com                         |          |
| F           |                |    |      | linear     |          | .XXX±.005/.XX±.13                     |  | projection                                                                            |  | title                                      |          |
|             |                |    |      |            |          | .XXX±.0020/.XX±.051                   |  |  |  | RIGHT ANGLE RECEPTACLE w/o GUIDE PIN POWER |          |
|             |                |    |      | angles     |          | 0°±2°                                 |  |  |  | product family                             | PWRBLADE |
|             |                |    |      | dr         | LEV4     | 10/14/99                              |  | scale                                                                                 |  | size                                       | dwg no   |
|             |                |    |      | enrg       | J. BROWN | 10/14/99                              |  | 3:2                                                                                   |  | A                                          | 51767    |
|             |                |    |      | chr        | J. BROWN | 10/14/99                              |  |                                                                                       |  |                                            | 213      |
|             |                |    |      | appd       | J. BROWN | 10/14/99                              |  |                                                                                       |  |                                            | sheet    |
|             |                |    |      |            |          |                                       |  |                                                                                       |  |                                            | 2        |
| sheet index | revision sheet |    |      |            |          |                                       |  |                                                                                       |  |                                            |          |

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|                     |
|---------------------|
| PRODUCT NUMBER      |
| 51767-ABB00000EF_.. |
| SEE NOTE 1          |

0.042±0.010  
[1.07±0.25]

TAIL LENGTH  
SEE NOTE 6

0.495 REF  
[12.56]

SECTION B-B

DIM "F"

MECHANICAL CONNECTOR  
STAY-AWAY ZONE

Ø 0.040±0.003  
[1.02±0.07]  
NOTE 15

0.610  
[15.49]

0.150  
[3.78]

0.135 REF  
[3.43]

0.250 TYP  
[6.35]

0.135  
[3.43]

0.100 TYP  
[2.54]

RECOMMENDED PCB LAYOUT

|             |  |                |  |            |  |                                          |  |        |  |                       |  |                                                                                                  |  |                                                                                       |  |      |  |                    |  |       |  |
|-------------|--|----------------|--|------------|--|------------------------------------------|--|--------|--|-----------------------|--|--------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|--|------|--|--------------------|--|-------|--|
| mat'l code  |  |                |  | SEE NOTE 2 |  | tolerances unless<br>otherwise specified |  |        |  | CUSTOMER              |  |                                                                                                  |  |  |  |      |  | www.fciconnect.com |  |       |  |
| litr        |  | ecr no.        |  | dr         |  | date                                     |  | linear |  | .XX±.01/.X±.3         |  | COPY                                                                                             |  |                                                                                       |  |      |  |                    |  |       |  |
| F           |  |                |  |            |  |                                          |  |        |  | .XXX±.005/.XX±.13     |  | projection                                                                                       |  | title                                                                                 |  |      |  |                    |  |       |  |
|             |  |                |  |            |  |                                          |  | angles |  | .XXXX±.0020/.XXX±.051 |  |             |  | RIGHT ANGLE RECEPTACLE w/o GUIDE PIN<br>POWER                                         |  |      |  |                    |  |       |  |
|             |  |                |  |            |  |                                          |  |        |  | 0°±2°                 |  | <br>INCH/MM |  | product family                                                                        |  |      |  | PWRBLADE           |  | code  |  |
|             |  |                |  |            |  |                                          |  | dr     |  | LEV4                  |  |                                                                                                  |  | 10/14/99                                                                              |  | size |  | dwg no             |  | 213   |  |
|             |  |                |  |            |  |                                          |  | enrg   |  | J. BROWN              |  | 10/14/99                                                                                         |  | scale                                                                                 |  |      |  |                    |  | sheet |  |
|             |  |                |  |            |  |                                          |  | chr    |  | J. BROWN              |  | 10/14/99                                                                                         |  |                                                                                       |  |      |  |                    |  | 3     |  |
|             |  |                |  |            |  |                                          |  | appd   |  | J. BROWN              |  | 10/14/99                                                                                         |  | 3:2                                                                                   |  | A    |  |                    |  | 51767 |  |
| sheet index |  | revision sheet |  |            |  |                                          |  |        |  |                       |  |                                                                                                  |  |                                                                                       |  |      |  |                    |  |       |  |

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