



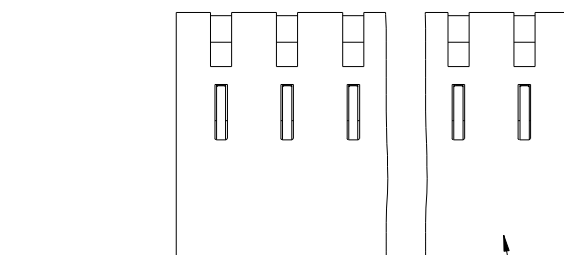
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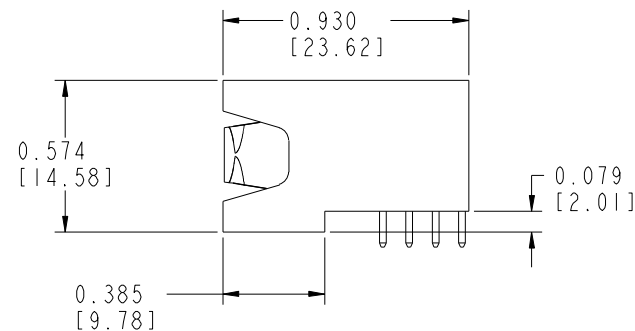
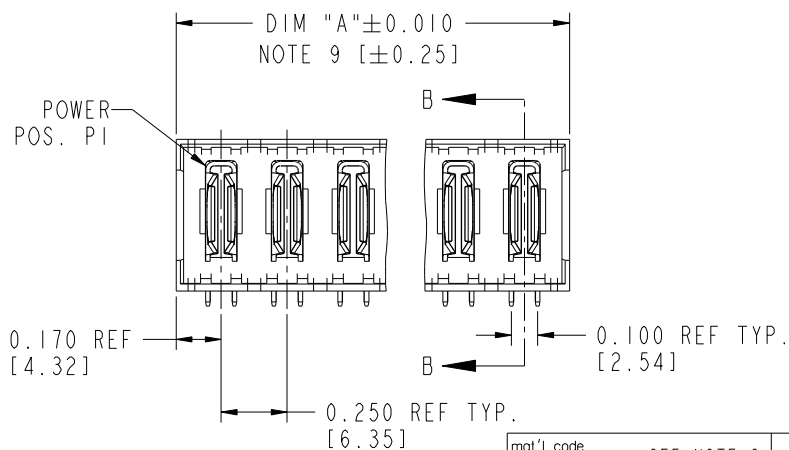
A

B

|                     |
|---------------------|
| PRODUCT NUMBER      |
| 51727-ABB00000EF_.. |
| SEE NOTE 1          |



SEE NOTE 8



|             |           |          |          |            |                       |                                          |            |                                                                                       |                                                    |                                                                                                          |       |               |
|-------------|-----------|----------|----------|------------|-----------------------|------------------------------------------|------------|---------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------------------------------------------------|-------|---------------|
| 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         |                                          | projection |  | title<br>RIGHT ANGLE HEADER w/o GUIDE PIN<br>POWER | product family<br>PWRBLADE                                                                               |       | code<br>213   |
| A           | V02387    | JRW      | 10/03/00 |            | .XXX±.005/.XX±.13     |                                          |            |                                                                                       |                                                    |                                                                                                          |       |               |
| B           | V10990    | JWS      | 04/05/01 | angles     | .XXXX±.0020/.XXX±.051 |                                          |            |                                                                                       |                                                    |                                                                                                          |       |               |
| C           | V12845    | JWS      | 01/04/02 |            | 0°±2°                 |                                          |            |                                                                                       |                                                    |                                                                                                          |       |               |
| D           | DG06-0295 | JMG      | 07/20/06 | dr         | LEV4                  | 10/14/99                                 | INCH/MM    |  | size                                               | dwg no                                                                                                   | 51727 | sheet<br>1 of |
| E           | DG07-0080 | RYAN     | 03/09/07 | enr        | J. BROWN              | 10/14/99                                 |            |                                                                                       |                                                    |                                                                                                          |       |               |
| F           | DG08-0239 | JC       | 09/11/08 | chr        | J. BROWN              | 10/14/99                                 | scale      | 3:2                                                                                   | A                                                  |                                                                                                          |       |               |
|             |           |          |          | appd       | J. BROWN              | 10/14/99                                 |            |                                                                                       |                                                    |                                                                                                          |       |               |
| sheet index |           | revision | F        | F          | F                     |                                          |            |                                                                                       |                                                    |                                                                                                          |       |               |
| sheet       |           | sheet    | 1        | 2          | 3                     |                                          |            |                                                                                       |                                                    |                                                                                                          |       |               |
|             |           |          |          |            |                       |                                          |            |                                                                                       |                                                    |                                                                                                          |       |               |
|             |           |          |          |            |                       |                                          |            |                                                                                       |                                                    |                                                                                                          |       |               |

Pro/E

3

cage code 22526

4

A

B

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| PRODUCT NUMBER    | DIM     | LENGTH FORMULAS (SEE NOTE 9)            |
|-------------------|---------|-----------------------------------------|
| 51727-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:  
51727 - A BB 000 00 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 7)  
TAIL LENGTH (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:  
 1 = SEE PRINT 10064183 FOR PLATING SPEC OF 51727-1BB00000EF; 51727-1BB00000EFLF

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 LENGTH:  
A = .135±0.010 [3.43±0.25] SOLDER TO BOARD AS SHOWN  
C = .135±0.010 [3.43±0.25] PRESS-FIT

7. BOARD RETENTION NOT AVAILABLE WITH GUIDELESS 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. REFERENCE 51697 FOR SPECIALS WORKSHEET.

#### 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.  $\varnothing 0.0453 \pm 0.001$  [1.151±0.02] DRILLED HOLES PLATED WITH  
0.0003 [0.007] MIN SnPb OR Sn OVER 0.001 [0.03] TO 0.003  
[0.08] Cu PLATING TO ACHIEVE  $\varnothing 0.040 \pm 0.003$  [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  |                |    |      | NOTE 2 |          | tolerances unless otherwise specified |  | CUSTOMER                                                                              |  | FCI                                    |          |
|-------------|----------------|----|------|--------|----------|---------------------------------------|--|---------------------------------------------------------------------------------------|--|----------------------------------------|----------|
| litr        | ecn no.        | dr | date |        |          | .XX±.01/.XX±.3                        |  | COPY                                                                                  |  | www.fciconnect.com                     |          |
| F           |                |    |      | linear |          | .XXX±.005/.XX±.13                     |  | projection                                                                            |  | RIGHT ANGLE HEADER w/o GUIDE PIN POWER |          |
|             |                |    |      |        |          | .XXX±.0020/.XX±.051                   |  |  |  |                                        |          |
|             |                |    |      | angles |          | 0°±2°                                 |  | INCH/MM                                                                               |  |                                        |          |
|             |                |    |      | dr     | LEV4     | 10/14/99                              |  | scale                                                                                 |  | product family                         | PWRBLADE |
|             |                |    |      | engr   | J. BROWN | 10/14/99                              |  | 3:2                                                                                   |  | size                                   | dwg no   |
|             |                |    |      | chr    | J. BROWN | 10/14/99                              |  |                                                                                       |  | 51727                                  | 213      |
|             |                |    |      | appd   | J. BROWN | 10/14/99                              |  |                                                                                       |  | sheet                                  | 2        |
| sheet index | revision sheet |    |      |        |          |                                       |  |                                                                                       |  |                                        |          |

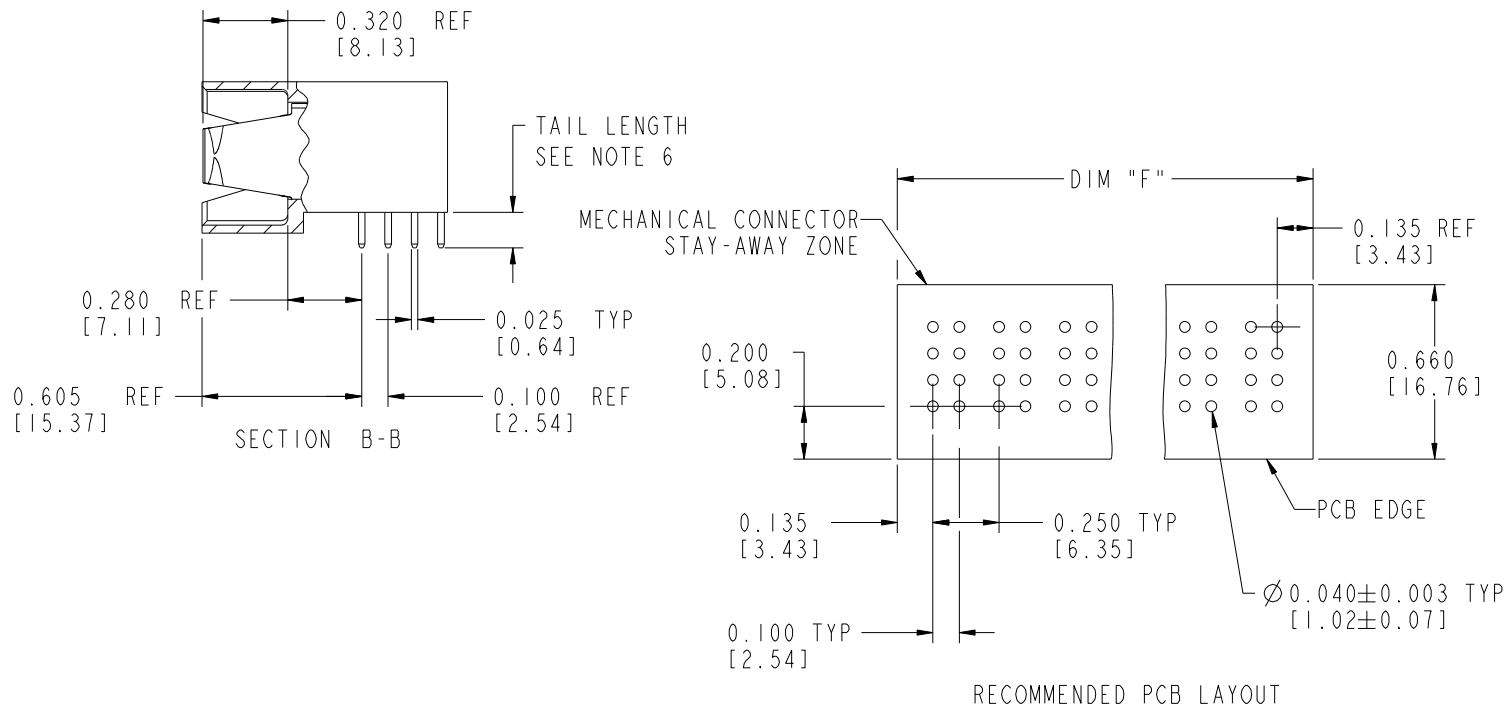
cage code 22526



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PRODUCT NUMBER  
51727-ABB00000EF\_..



| mat'l code  |                |    |      | NOTE 2 |      | tolerances unless otherwise specified |          | CUSTOMER   |  | FCI                                          |  |
|-------------|----------------|----|------|--------|------|---------------------------------------|----------|------------|--|----------------------------------------------|--|
| litr        | ecn no.        | dr | date |        |      | .XX±.01/.X±.3                         |          | COPY       |  | www.fciconnect.com                           |  |
| F           |                |    |      |        |      | .XXX±.005/.XX±.13                     |          | projection |  | title RIGHT ANGLE HEADER w/o GUIDE PIN POWER |  |
|             |                |    |      |        |      | .XXXX±.0020/.XXX±.051                 |          |            |  |                                              |  |
|             |                |    |      |        |      | 0°±2°                                 |          | INCH/MM    |  | product family PWRBLADE code 213             |  |
|             |                |    |      |        | dr   | LEV4                                  | 10/14/99 |            |  | size dwg no 51727 sheet 3                    |  |
|             |                |    |      |        | enr  | J. BROWN                              | 10/14/99 |            |  |                                              |  |
|             |                |    |      |        | chr  | J. BROWN                              | 10/14/99 |            |  |                                              |  |
|             |                |    |      |        | appd | J. BROWN                              | 10/14/99 |            |  |                                              |  |
| sheet index | revision sheet |    |      |        |      |                                       |          | scale 3:2  |  | cage code 22526                              |  |

Pro/E