

## Excellent Integrated System Limited

Stocking Distributor

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[FCI](#)  
[51765-10000808A0LF](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

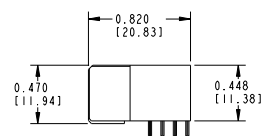
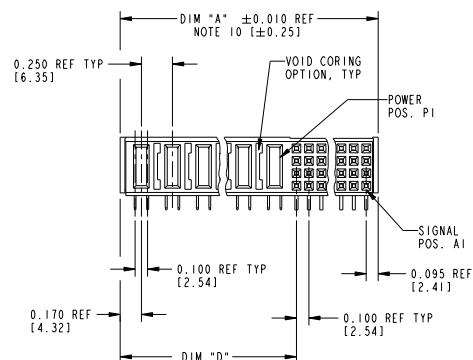
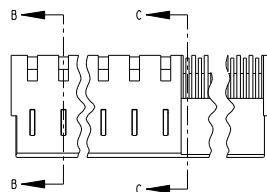
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| PRODUCT NUMBER      |
|---------------------|
| 51765-A00CCDD0E0... |
| SEE NOTE 1          |

1 2 3 4



| SEE NOTE 2  |           |       |          | tolerances unless otherwise specified |                       | CUSTOMER COPY |                                      | FCI            |      | www.fciconnect.com |        |
|-------------|-----------|-------|----------|---------------------------------------|-----------------------|---------------|--------------------------------------|----------------|------|--------------------|--------|
| lfr         | ecn no.   | dr    | date     | linear                                | .xxx. 01/ .xxx. 3     | projection    | title                                | product family | code | size               | dwg no |
| J           | D607-0012 | JULIA | 01/12/07 | linear                                | .xxx. 005/ .xxx. 13   | projection    | RIGHT ANGLE RECEPTACLE w/o GUIDE PIN | PWRBLADE       | 23   | A                  | 51765  |
| K           | D607-0118 | RYAN  | 03/29/07 | linear                                | .xxx. 0020/ .xxx. 051 | projection    | SIGNAL / POWER                       |                |      |                    |        |
| L           | D608-0239 | JC    | 09/11/08 | angles                                | 0° ± 2°               | projection    |                                      |                |      |                    |        |
| F           | V02389    | JRW   | 10-05-00 | engr                                  | J. BROWN              | 05-18-99      | INCH / MM                            |                |      |                    |        |
| G           | V21512    | TAB   | 10-04-02 | chr                                   | J. BROWN              | 05-18-99      | scale                                |                |      |                    |        |
| H           | V03-0769  | TAB   | 07-17-03 | appd                                  | J. BROWN              | 05-18-99      | 1:1                                  |                |      |                    |        |
| sheet index | revision  | L     | L        | L                                     |                       |               |                                      |                |      |                    |        |
| 1           | 2         | 3     |          |                                       |                       |               |                                      |                |      |                    |        |

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cage code 22526

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| PRODUCT NUMBER     | DIM     | LENGTH FORMULAS (SEE NOTE 10)                                    |
|--------------------|---------|------------------------------------------------------------------|
| 51765-A00CCDDE0... | 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:  
51765 - A 00 CCC DD E 0 LF  
W/O THIS SUFFIX: 100u"/2.54um SnPb ON PCB INTERFACE  
WITH THIS SUFFIX: 78u"/1.98um 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:  
1: SEE PRINT 10064183 FOR PLATING SPEC OF 51765-100CCDDE0; 51765-100CCDDE0LF
- THIS PART IS NOT AVAILABLE WITH RIGHT SIDE POWER CONTACTS.
- SIGNAL CONTACTS, 004 TO 148 AVAILABLE FOR SOLDER TO BOARD, 020 TO 148 AVAILABLE FOR PRESS-FIT.
- LEFT END POWER CONTACTS, 01 TO 20 AVAILABLE. MAXIMUM OF 20 POWER CONTACTS PER CONNECTOR
- TAIL OPTIONS:  
A : .135 ± .010 [3.43 ± 0.25] SOLDER TO BOARD  
B : .090 ± .005 / -.010 [2.29 ± 0.13 / -.25] SOLDER TO BOARD  
C : .154 ± .010 [3.91 ± 0.25] PRESS-FIT TO BOARD

- 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
- APPLICATION SPECIFICATION BUS-20-067
- ALL DIMENSIONS ARE BASIC UNLESS OTHERWISE SPECIFIED.
- ALL THROUGH HOLES ARE LOCATED WITH A TRUE POSITION OF .004[0.10]
- ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.
- Ø0.0453 ± .001 [1.151 ± 0.02] DRILLED HOLES PLATED WITH 0.0003 [0.007] MIN SnPb OR Sn OVER 0.001 [0.03] TO .003 [0.08] Cu PLATING TO ACHIEVE A .040 ± .003 [1.02 ± 0.08] HOLE.
- △ SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

#### PCB NOTES:

| material code |         |    |      | tolerances unless otherwise specified |            | CUSTOMER COPY                                       |  | FCI                |  |
|---------------|---------|----|------|---------------------------------------|------------|-----------------------------------------------------|--|--------------------|--|
| ltr           | ecn no. | dr | date | linear                                | projection | title                                               |  | www.fciconnect.com |  |
|               |         |    |      |                                       |            | RIGHT ANGLE RECEPTACLE w/o GUIDE PIN SIGNAL / POWER |  |                    |  |
|               |         |    |      |                                       |            | product family                                      |  | PWRBLADE           |  |
|               |         |    |      |                                       |            | size                                                |  | dwg no             |  |
|               |         |    |      |                                       |            | scale                                               |  | 1:1                |  |
|               |         |    |      |                                       |            | sheet index                                         |  | revision sheet     |  |

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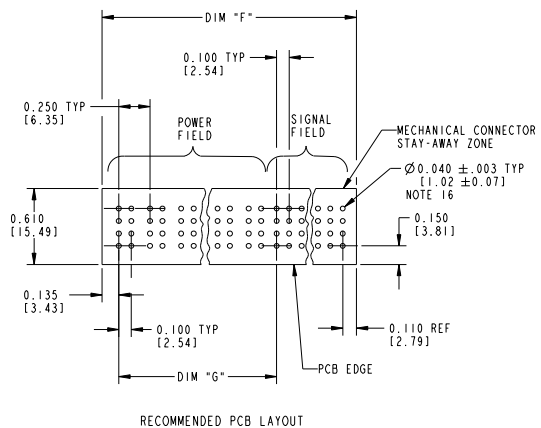
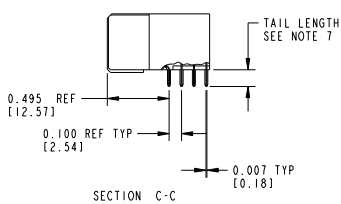
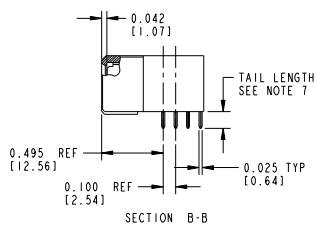
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PRODUCT NUMBER  
51765-A00CCDDE0\_-  
SEE NOTE 1



| mat'l code  |                |    |      | tolerances unless otherwise specified |                      | CUSTOMER COPY |     | FCI                |          |
|-------------|----------------|----|------|---------------------------------------|----------------------|---------------|-----|--------------------|----------|
| ltr         | ecn no.        | dr | date | linear                                | .xx±.01/.xx±.3       | projection    |     | www.fciconnect.com |          |
| L           |                |    |      |                                       | .xxx±.005/.xxx±.13   |               |     |                    |          |
|             |                |    |      |                                       | .xxx±.0020/.xxx±.051 |               |     |                    |          |
|             |                |    |      | angles                                | 0°±2°                |               |     |                    |          |
|             |                |    |      | dr                                    | DIGOLE 05-18-99      | INCH / MM     |     | product family     | PWRBLADE |
|             |                |    |      | enrg                                  | J. BROWN 05-18-99    | scale         | 1:1 | size               | dwg no   |
|             |                |    |      | chr                                   | J. BROWN 05-18-99    |               |     |                    | 51765    |
|             |                |    |      | appd                                  | J. BROWN 05-18-99    |               |     |                    |          |
| sheet index | revision sheet |    |      |                                       |                      |               |     | cage code          | 22526    |

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