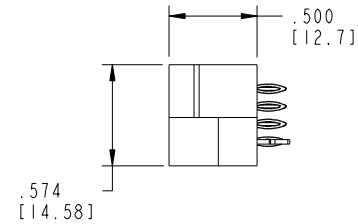
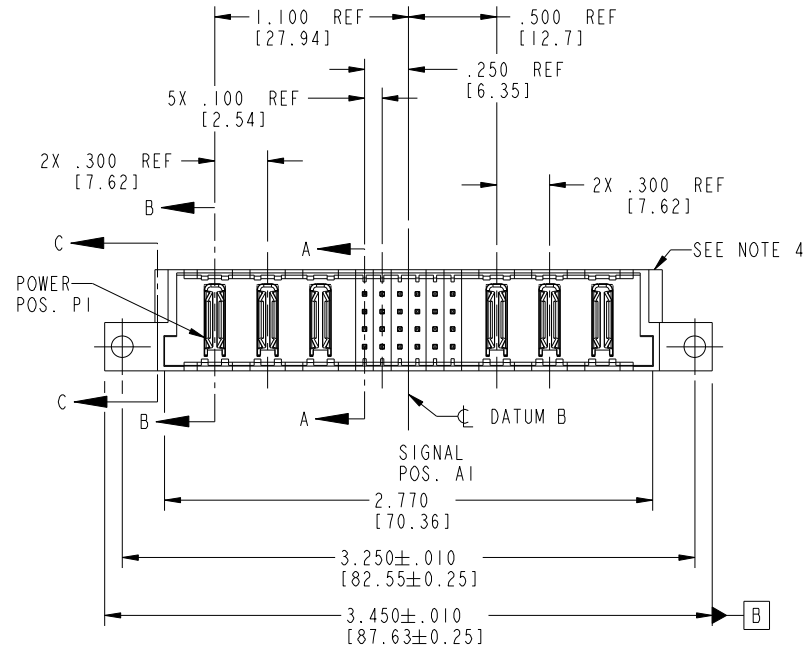


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| PRODUCT NO.           | ROWS             | POWER |    |    | SIGNAL |   |   |   |   |   | POWER |    |    | PRINTING | SPEC.      | TYCO P/N | FCI P/N     |             |
|-----------------------|------------------|-------|----|----|--------|---|---|---|---|---|-------|----|----|----------|------------|----------|-------------|-------------|
|                       |                  | E1    | P1 | P2 | P3     | 1 | 2 | 3 | 4 | 5 | 6     | P4 | P5 |          |            |          |             | P6          |
| 51963-011--<br>NOTE ③ | D<br>C<br>B<br>A |       |    |    |        |   |   |   |   |   |       |    |    |          | SEE NOTE 4 | SnPb     | I-1450508-3 | 51963-011   |
|                       |                  |       |    |    |        |   |   |   |   |   |       |    |    |          |            | Sn       | N/A         | 51963-011LF |



| CODE | DIM "M" MATING LENGTH |        | CONTACT TYPE |
|------|-----------------------|--------|--------------|
| PC   | [N/A]                 | [N/A]  | POWER        |
| HA   | N/A                   | [N/A]  | HOLD-DOWN    |
| G    | .270                  | [6.86] | SIGNAL       |

| mat'l code  |           |      |          | SEE NOTE 2 |             | tolerances unless otherwise specified |  | CUSTOMER |  | FCI        |  | www.fciconnect.com |                   |
|-------------|-----------|------|----------|------------|-------------|---------------------------------------|--|----------|--|------------|--|--------------------|-------------------|
| litr        | ecn no.   | dr   | date     | linear     |             | .XX±.01/0.X±0.3                       |  | COPY     |  | projection |  | title              | 3ACP + 24S + 3ACP |
| A           | V04-0925  | TAB  | 09/14/04 |            |             | .XXX±.005/0.XX±0.13                   |  |          |  |            |  | product family     | PwrBlade          |
| B           | DG05-0203 | SW   | 10/19/05 |            |             | .XXX±.0020/0.XXX±0.051                |  |          |  |            |  | size               | dwg no            |
| C           | DG05-0563 | RYAN | 12/30/05 | angles     |             | 0°±2°                                 |  |          |  |            |  | code               | 213               |
| D           | DG07-0357 | SH   | 12/10/07 | dr         | T. BRUNGARD | 09/14/04                              |  |          |  |            |  | scale              | 1:1               |
|             |           |      |          | enrg       | M. GRAY     | 09/14/04                              |  |          |  |            |  | sheet              | 1 of 4            |
|             |           |      |          | chr        | M. GRAY     | 09/14/04                              |  |          |  |            |  |                    |                   |
|             |           |      |          | appd       | M. GRAY     | 09/14/04                              |  |          |  |            |  |                    |                   |
| sheet index | revision  | D    | D        | D          | D           |                                       |  |          |  |            |  |                    |                   |
|             | sheet     | 1    | 2        | 3          | 4           |                                       |  |          |  |            |  |                    |                   |

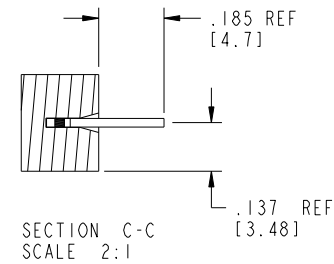
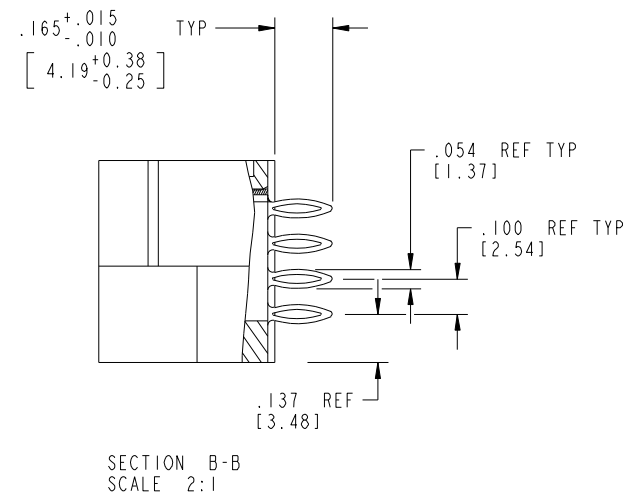
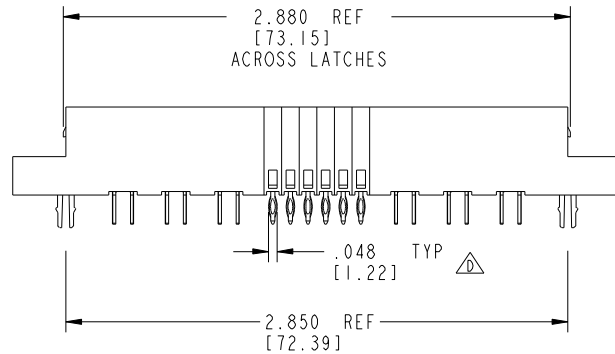
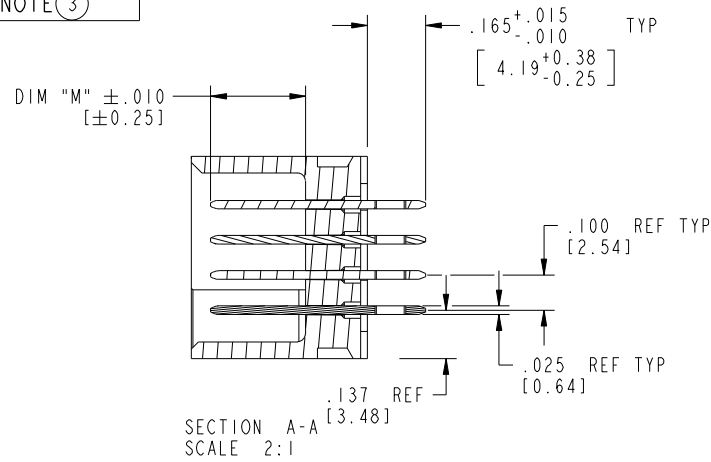
cage code 22526

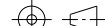
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PRODUCT NUMBER  
51963-011--  
NOTE ③



|             |         |                |      |            |                                    |  |  |                                       |                                                                                                                     |  |  |          |                                                                                                                        |  |  |                                              |  |  |  |
|-------------|---------|----------------|------|------------|------------------------------------|--|--|---------------------------------------|---------------------------------------------------------------------------------------------------------------------|--|--|----------|------------------------------------------------------------------------------------------------------------------------|--|--|----------------------------------------------|--|--|--|
| mat'l code  |         |                |      | SEE NOTE 2 |                                    |  |  | tolerances unless otherwise specified |                                                                                                                     |  |  | CUSTOMER |                                                                                                                        |  |  | <div>FCI</div> <div>www.fciconnect.com</div> |  |  |  |
| litr        | ecn no. | dr             | date | linear     | $.XX \pm .01 / 0.X \pm 0.3$        |  |  |                                       | COPY                                                                                                                |  |  |          | <div>projection</div> <div></div> |  |  |                                              |  |  |  |
| D           |         |                |      |            | $.XXX \pm .005 / 0.XX \pm 0.13$    |  |  |                                       |                                                                                                                     |  |  |          |                                                                                                                        |  |  |                                              |  |  |  |
|             |         |                |      |            | $.XXX \pm .0020 / 0.XXX \pm 0.051$ |  |  |                                       |                                                                                                                     |  |  |          |                                                                                                                        |  |  |                                              |  |  |  |
|             |         |                |      | angles     | $0^\circ \pm 2^\circ$              |  |  |                                       | <div>INCH/MM</div> <div></div> |  |  |          | title<br>3ACP + 24S + 3ACP<br>VERTICAL PRESS-FIT HEADER                                                                |  |  |                                              |  |  |  |
|             |         |                |      | dr         | T. BRUNGARD 09/14/04               |  |  |                                       |                                                                                                                     |  |  |          |                                                                                                                        |  |  |                                              |  |  |  |
|             |         |                |      | engr       | M. GRAY 09/14/04                   |  |  |                                       | scale<br>1:1                                                                                                        |  |  |          | product family<br>PwrBlade                                                                                             |  |  |                                              |  |  |  |
|             |         |                |      | chr        | M. GRAY 09/14/04                   |  |  |                                       |                                                                                                                     |  |  |          | size dwg no                                                                                                            |  |  |                                              |  |  |  |
|             |         |                |      | appd       | M. GRAY 09/14/04                   |  |  |                                       |                                                                                                                     |  |  |          | A 51963-011                                                                                                            |  |  |                                              |  |  |  |
| sheet index |         | revision sheet |      |            |                                    |  |  |                                       |                                                                                                                     |  |  |          |                                                                                                                        |  |  |                                              |  |  |  |
|             |         |                |      |            |                                    |  |  |                                       |                                                                                                                     |  |  |          |                                                                                                                        |  |  |                                              |  |  |  |

Pro/E

cage code 22526

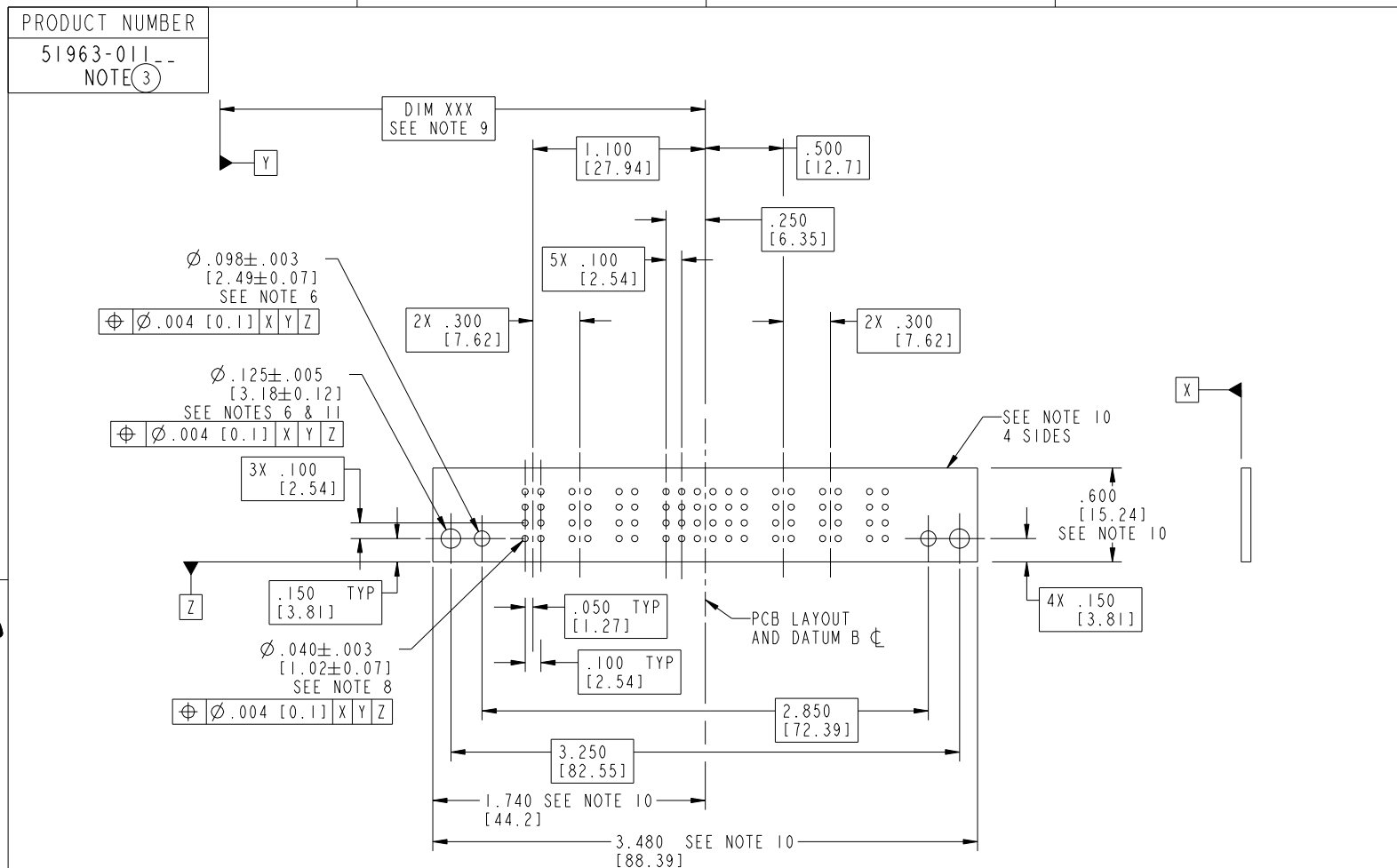


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A

B



A

RECOMMENDED PCB LAYOUT

|             |         |          |      |            |                        |  |  |                                       |                                                                                       |  |  |          |                                                                                       |                                                         |           |                                                                                                          |                 |  |      |  |
|-------------|---------|----------|------|------------|------------------------|--|--|---------------------------------------|---------------------------------------------------------------------------------------|--|--|----------|---------------------------------------------------------------------------------------|---------------------------------------------------------|-----------|----------------------------------------------------------------------------------------------------------|-----------------|--|------|--|
| mat'l code  |         |          |      | SEE NOTE 2 |                        |  |  | tolerances unless otherwise specified |                                                                                       |  |  | CUSTOMER |                                                                                       |                                                         |           |  www.fciconnect.com |                 |  |      |  |
| litr        | ecn no. | dr       | date | linear     | .XX±.01/0.X±0.3        |  |  |                                       | COPY                                                                                  |  |  |          |  | title<br>3ACP + 24S + 3ACP<br>VERTICAL PRESS-FIT HEADER |           |                                                                                                          |                 |  |      |  |
| D           |         |          |      |            | .XXX±.005/0.XX±0.13    |  |  |                                       | projection                                                                            |  |  |          |                                                                                       |                                                         |           |                                                                                                          |                 |  |      |  |
|             |         |          |      |            | .XXX±.0020/0.XXX±0.051 |  |  |                                       |                                                                                       |  |  |          |                                                                                       |                                                         |           |                                                                                                          |                 |  |      |  |
|             |         |          |      | angles     | 0°±2°                  |  |  |                                       |  |  |  |          | product family                                                                        |                                                         |           |                                                                                                          | PwrBlade        |  | code |  |
|             |         |          |      | dr         | T. BRUNGARD 09/14/04   |  |  |                                       | INCH/MM                                                                               |  |  |          | size                                                                                  |                                                         | dwg no    |                                                                                                          | 213             |  |      |  |
|             |         |          |      | enrg       | M. GRAY 09/14/04       |  |  |                                       | scale<br>1:1                                                                          |  |  |          | A                                                                                     |                                                         | 51963-011 |                                                                                                          | sheet<br>3 of 4 |  |      |  |
|             |         |          |      | chr        | M. GRAY 09/14/04       |  |  |                                       |                                                                                       |  |  |          |                                                                                       |                                                         |           |                                                                                                          |                 |  |      |  |
|             |         |          |      | appd       | M. GRAY 09/14/04       |  |  |                                       |                                                                                       |  |  |          |                                                                                       |                                                         |           |                                                                                                          |                 |  |      |  |
| sheet index |         | revision |      | sheet      |                        |  |  |                                       |                                                                                       |  |  |          |                                                                                       |                                                         |           |                                                                                                          |                 |  |      |  |

B

1 | 2

Pro/E

3 |

cage code 22526

4

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|                |
|----------------|
| PRODUCT NUMBER |
| 51963-011--    |
| NOTE ③         |

NOTES:

1. DIMENSIONS AND TOLERANCES ARE IN ACCORDANCE WITH ASME Y14.5M, 1994 UNLESS OTHERWISE SPECIFIED.

CONNECTOR NOTES:

② HOUSING MATERIAL: UL 94 V-0 GLASS FILLED HIGH-TEMP THERMOPLASTIC

POWER CONTACT MATERIAL: COPPER ALLOY

SIGNAL PIN MATERIAL: COPPER ALLOY

3. PLATING:

△ 51963-011,51963-011LF PLATING SPEC.WAS SHOWN IN THE PRINT OF 10064183.

4. NEED TYCO TRADE NAME"AMP",TYCO P/N,FCI DATE CODE TO APPEAR ON THE HOUSING SURFACE.

5. PRODUCT SPECIFICATION GS-12-149.  
APPLICATION SPECIFICATION BUS-20-067.

6. PACKAGED IN TRAYS.

PCB NOTES:

7. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.

8. MOUNTING HOLES, WHERE APPLICABLE, ARE UNPLATED.

9.  $\varnothing .0453 \pm .0010$  [1.151 $\pm$ 0.025] DRILLED HOLES PLATED WITH  
.0003 [0.008] MIN SnPb OVER .001 [0.03]  
TO .003 [0.08] Cu PLATING TO ACHIEVE  
 $\varnothing .040 \pm .003$  [1.02 $\pm$ .07] HOLE.

10. "DIM XXX" TO BE DETERMINED BY THE CUSTOMER.

11. CONNECTOR KEEP-OUT ZONE.

12. CUSTOMER SUPPLIES (2) #4-40 UNC SCREWS, HARDWARE  
TO MOUNT HEADER TO PC BOARD.

13. FOR PRESS FIT APPLICATION USE FCI CAM TOOL 430169-066.

14. A △ SYMBOL WILL BE NEXT TO ANY DIMENDION,VIEW,OR NOTE  
WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

|             |         |                |      |            |                                    |                                       |            |          |                |                           |        |
|-------------|---------|----------------|------|------------|------------------------------------|---------------------------------------|------------|----------|----------------|---------------------------|--------|
| mat'l code  |         |                |      | SEE NOTE 2 |                                    | tolerances unless otherwise specified |            | CUSTOMER |                | www.fciconnect.com        |        |
| ltr         | ecn no. | dr             | date | linear     | $.XX \pm .01 / 0.X \pm 0.3$        |                                       | COPY       |          |                | title                     |        |
| D           |         |                |      |            | $.XXX \pm .005 / 0.XX \pm 0.13$    |                                       | projection |          |                | 3ACP + 24S + 3ACP         |        |
|             |         |                |      |            | $.XXX \pm .0020 / 0.XXX \pm 0.051$ |                                       |            |          |                | VERTICAL PRESS-FIT HEADER |        |
|             |         |                |      | angles     | $0^\circ \pm 2^\circ$              |                                       | INCH/MM    |          | product family |                           | code   |
|             |         |                |      | dr         | T. BRUNGARD                        | 09/14/04                              | scale      |          | PwrBlade       |                           | 213    |
|             |         |                |      | enrg       | M. GRAY                            | 09/14/04                              | 1:1        |          | size           |                           | sheet  |
|             |         |                |      | chr        | M. GRAY                            | 09/14/04                              |            |          | A              |                           | 4 of 4 |
|             |         |                |      | appd       | M. GRAY                            | 09/14/04                              |            |          | 51963-011      |                           |        |
| sheet index |         | revision sheet |      |            |                                    |                                       |            |          |                |                           |        |

|           |       |
|-----------|-------|
| cage code | 22526 |
|-----------|-------|