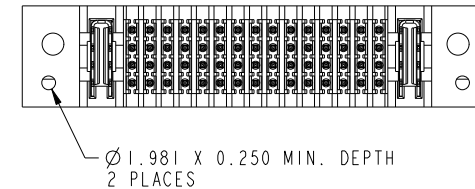
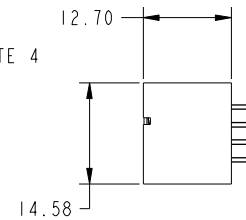
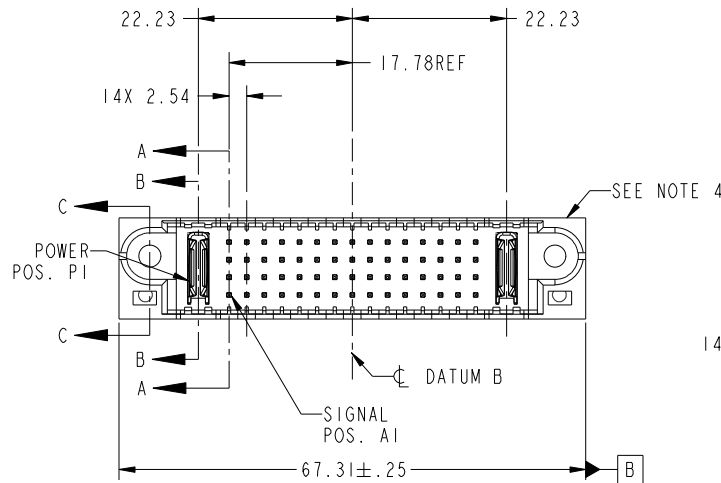


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| PRODUCT NO.          | ROWS             |                                                                                   | PWR                                                                               | SIGNAL                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | PWR                                                                                |                                                                                     |
|----------------------|------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                      |                  | E1                                                                                | P1                                                                                | 1                                                                                 | 2                                                                                 | 3                                                                                 | 4                                                                                 | 5                                                                                 | 6                                                                                 | 7                                                                                 | 8                                                                                 | 9                                                                                 | 10                                                                                | 11                                                                                | 12                                                                                | 13                                                                                | 14                                                                                | 15                                                                                | P2                                                                                 | E2                                                                                  |
| 51970-004-<br>NOTE 3 | D<br>C<br>B<br>A |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |



| CODE | DIM "M"<br>MATING<br>LENGTH | CONTACT<br>TYPE |
|------|-----------------------------|-----------------|
| E    | [6.86]                      | SIGNAL          |
| PA   | [N/A]                       | POWER           |

| mat'l code  |           |                |          | SEE NOTE |             | tolerances unless<br>otherwise specified |  | CUSTOMER   |  | FCI                    |          |
|-------------|-----------|----------------|----------|----------|-------------|------------------------------------------|--|------------|--|------------------------|----------|
| litr        | ecn no.   | dr             | date     | linear   |             | 0.X ± 0.5                                |  | COPY       |  | www.fciconnect.com     |          |
| A           | V04-1052  | TAB            | 11/02/04 |          |             | 0.XX ± 0.25                              |  | projection |  | title                  |          |
| B           | DG05-0450 | Ryan           | 11/15/05 |          |             | 0.XXX ± 0.10                             |  |            |  | IP + 60S + IP          |          |
| C           | DG07-0498 | JW             | 09/12/08 | angles   |             | 0° ± 2°                                  |  |            |  | VERTICAL SOLDER HEADER |          |
|             |           |                |          | dr       | T. BRUNGARD | 11/02/04                                 |  | scale      |  | product family         | PwrBlade |
|             |           |                |          | enrg     | M. GRAY     | 11/02/04                                 |  | 1:1        |  | size                   | code     |
|             |           |                |          | chr      | M. GRAY     | 11/02/04                                 |  |            |  | dwg no                 | 213      |
|             |           |                |          | appd     | M. GRAY     | 11/02/04                                 |  |            |  | 51970-004              | sheet    |
| sheet index |           | revision sheet | C        | C        | C           | C                                        |  |            |  |                        | 1 of 4   |
| 1           |           | 2              | 3        | 4        |             |                                          |  |            |  |                        |          |

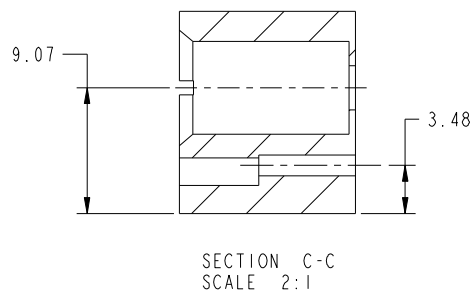
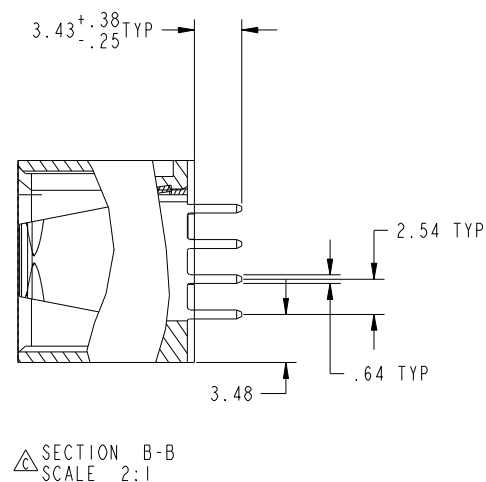
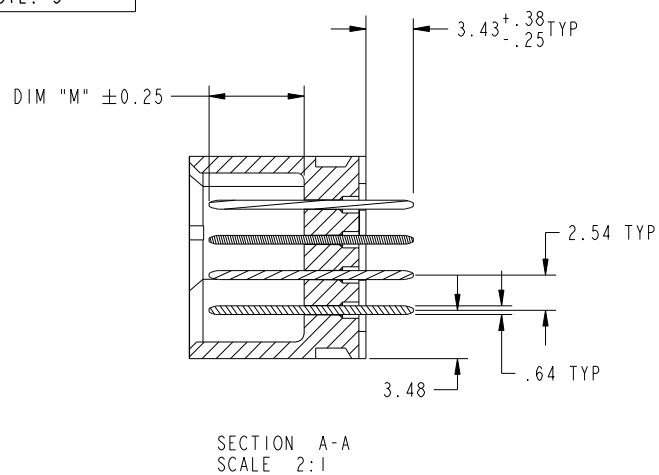
cage code 22526

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PRODUCT NUMBER  
51970-004\_-  
NOTE: 3



| mat'l code  |                |    |      | SEE NOTE |  | tolerances unless otherwise specified |                      | CUSTOMER   |  | FCI                    |           |
|-------------|----------------|----|------|----------|--|---------------------------------------|----------------------|------------|--|------------------------|-----------|
| litr        | ecr no.        | dr | date |          |  | linear                                | 0.X ±0.5             | COPY       |  | www.fciconnect.com     |           |
| C           |                |    |      |          |  | linear                                | 0.XX ±0.25           | projection |  | title                  |           |
|             |                |    |      |          |  | angles                                | 0.XXX ±0.10          |            |  | IP + 60S + 1P          |           |
|             |                |    |      |          |  | dr                                    | 0° ±2°               |            |  | VERTICAL SOLDER HEADER |           |
|             |                |    |      |          |  | enr                                   | T. BRUNGARD 11/02/04 |            |  | product family         | PwrBlade  |
|             |                |    |      |          |  | chr                                   | M. GRAY 11/02/04     |            |  | size                   | 213       |
|             |                |    |      |          |  | appd                                  | M. GRAY 11/02/04     |            |  | dwg no                 | 51970-004 |
|             |                |    |      |          |  |                                       |                      |            |  | sheet                  | 2         |
| sheet index | revision sheet |    |      |          |  |                                       |                      |            |  |                        |           |

Pro/E

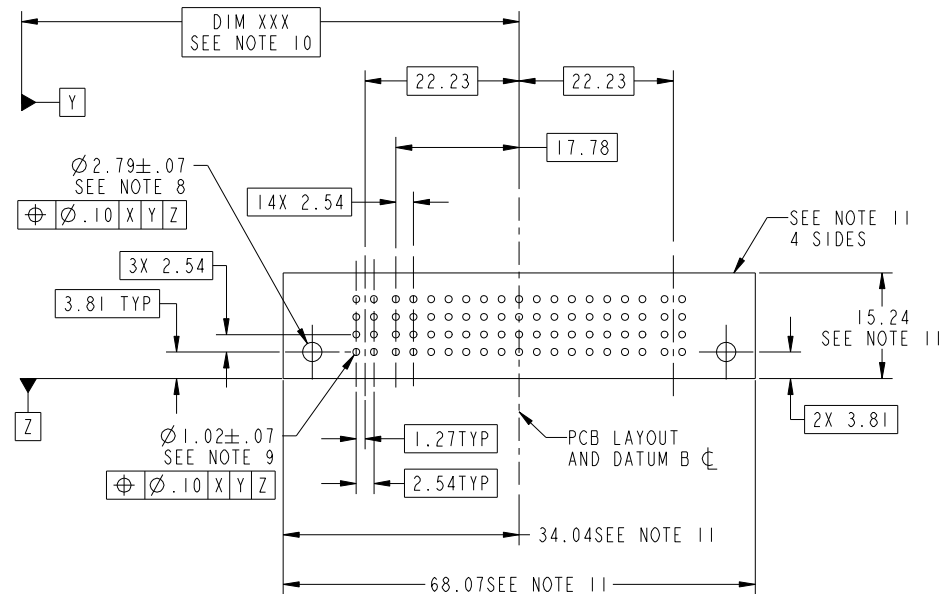
cage code 22526

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PRODUCT NUMBER  
51970-004--  
NOTE: 3



| mat'l code  |                |    |      | SEE NOTE |             | tolerances unless otherwise specified |  | CUSTOMER   |     | FCI                    |           |
|-------------|----------------|----|------|----------|-------------|---------------------------------------|--|------------|-----|------------------------|-----------|
| litr        | ecn no.        | dr | date |          |             |                                       |  | COPY       |     | www.fciconnect.com     |           |
| C           |                |    |      | linear   |             | 0.X ± 0.5                             |  | projection |     | title                  |           |
|             |                |    |      |          |             | 0.XX ± 0.25                           |  |            |     | IP + 60S + IP          |           |
|             |                |    |      | angles   |             | 0.XXX ± 0.10                          |  |            |     | VERTICAL SOLDER HEADER |           |
|             |                |    |      | dr       | T. BRUNGARD | 11/02/04                              |  |            |     | product family         | PwrBlade  |
|             |                |    |      | enrg     | M. GRAY     | 11/02/04                              |  |            |     | code                   | 213       |
|             |                |    |      | chr      | M. GRAY     | 11/02/04                              |  |            |     | size                   | dwg no    |
|             |                |    |      | appd     | M. GRAY     | 11/02/04                              |  |            |     | A                      | 51970-004 |
| sheet index | revision sheet |    |      |          |             |                                       |  | scale      | 1:1 |                        | sheet 3   |

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B

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4

| PRODUCT NUMBER         |
|------------------------|
| 51970-004_-<br>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:  
SEE ITEM 1 & 2 IN PRINT 10064183 FOR PLATING SPEC OF 51970-004; 51970-004LF RESPECTIVELY
- 4 MANUFACTURER'S NAME, P/N, AND DATE CODE TO APPEAR ON THIS 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  $\varnothing 1.151 \pm 0.025$  DRILLED HOLES PLATED WITH)  
0.008 MIN SnPb OR Sn OVER 0.03  
TO 0.08 Cu PLATING TO ACHIEVE  
 $\varnothing 1.02 \pm 0.07$  HOLE.
- 10 "DIM XXX" TO BE DETERMINED BY THE CUSTOMER.
- 11 CONNECTOR KEEP-OUT ZONE.
12. A  $\triangle$  SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

| mat'l code  |                |    |      | SEE NOTE |             | tolerances unless otherwise specified |  | CUSTOMER |     | FCI        |  | www.fciconnect.com     |           |
|-------------|----------------|----|------|----------|-------------|---------------------------------------|--|----------|-----|------------|--|------------------------|-----------|
| litr        | ecn no.        | dr | date |          |             |                                       |  | COPY     |     | projection |  | title                  |           |
| C           |                |    |      | linear   |             | $0.X \pm 0.5$                         |  |          |     |            |  | IP + 60S + 1P          |           |
|             |                |    |      |          |             | $0.XX \pm 0.25$                       |  |          |     |            |  | VERTICAL SOLDER HEADER |           |
|             |                |    |      | angles   |             | $0.XXX \pm 0.10$                      |  |          |     |            |  | product family         | PwrBlade  |
|             |                |    |      | dr       | T. BRUNGARD | 11/02/04                              |  |          |     |            |  | code                   | 213       |
|             |                |    |      | enrg     | M. GRAY     | 11/02/04                              |  |          |     |            |  | size                   | 4         |
|             |                |    |      | chr      | M. GRAY     | 11/02/04                              |  |          |     |            |  | dwg no                 | 51970-004 |
|             |                |    |      | appd     | M. GRAY     | 11/02/04                              |  |          |     |            |  | sheet                  | 4         |
| sheet index | revision sheet |    |      |          |             |                                       |  | scale    | 1:1 |            |  |                        |           |

A

B

1 | 2

Pro/E

3

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4

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