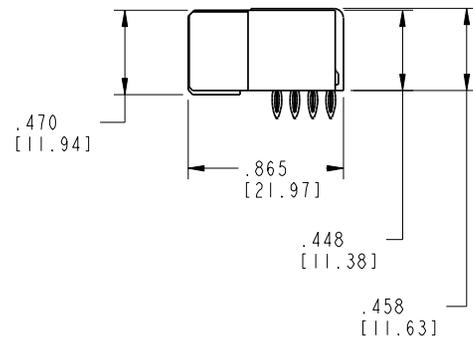
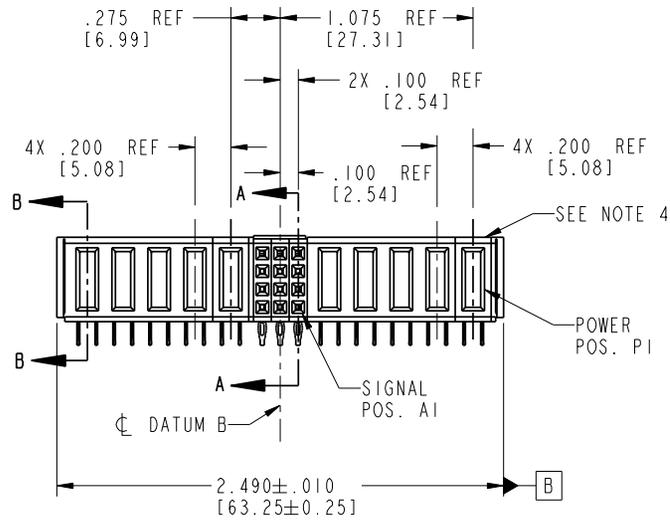


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| PRODUCT NO.            | ROWS             | POWER |    |    |    |    | SIG |   |   | POWER |    |    |    |    |
|------------------------|------------------|-------|----|----|----|----|-----|---|---|-------|----|----|----|----|
|                        |                  | P10   | P9 | P8 | P7 | P6 | 3   | 2 | 1 | P5    | P4 | P3 | P2 | P1 |
| 51866-039<br>Note: (3) | D<br>C<br>B<br>A | PE    | PE | PE | PE | PE | S   | S | S | PE    | PE | PE | PE | PE |
|                        |                  | R     | R  | R  | R  | R  | P   | P | P |       |    |    |    |    |
|                        |                  | N     | N  | N  | N  | N  |     |   |   |       |    |    |    |    |



| CODE | DIM "M" MATING LENGTH | CONTACT TYPE |
|------|-----------------------|--------------|
| PE   | .042 [1.07]           | POWER        |
| S    | N/A [N/A]             | SIGNAL       |
| R    | N/A [N/A]             | SIGNAL       |
| P    | N/A [N/A]             | SIGNAL       |
| N    | N/A [N/A]             | SIGNAL       |

|                       |           |        |          |                                       |            |          |  |
|-----------------------|-----------|--------|----------|---------------------------------------|------------|----------|--|
| mat'l code SEE NOTE 2 |           |        |          | tolerances unless otherwise specified |            | CUSTOMER |  |
| lir                   | ecn no.   | dr     | date     | linear                                | COPY       |          |  |
| A                     | D605-0416 | R.Yuan | 10/25/05 | .XX±.01/0.X±0.3                       | projection |          |  |
|                       |           |        |          | .XXX±.005/0.XX±0.13                   | INCH/MM    |          |  |
|                       |           |        |          | .XXX±.002/0.XXX±0.051                 | scale 1:1  |          |  |
|                       |           |        |          | angles 0°±2°                          |            |          |  |
|                       |           |        |          | dr Ryan.Yuan 10/25/05                 |            |          |  |
|                       |           |        |          | engr Steven.Wang 10/25/05             |            |          |  |
|                       |           |        |          | chr VICTOR LIN 10/25/05               |            |          |  |
|                       |           |        |          | appd JOSEPH HSIA 10/25/05             |            |          |  |
| sheet index           | revision  | A      | A        | A                                     | A          |          |  |
|                       | sheet     | 1      | 2        | 3                                     | 4          |          |  |

|                                |  |  |  |
|--------------------------------|--|--|--|
| A<br>FCI<br>www.fciconnect.com |  | title 5P +12S + 5P<br>R/A PRESS FIT RECEPTACLE |  |
| product family PwrBlade        |  | code 213                                       |  |
| size A                         |  | dwg no 51866-039                               |  |
| sheet 1 of 4                   |  |  |  |

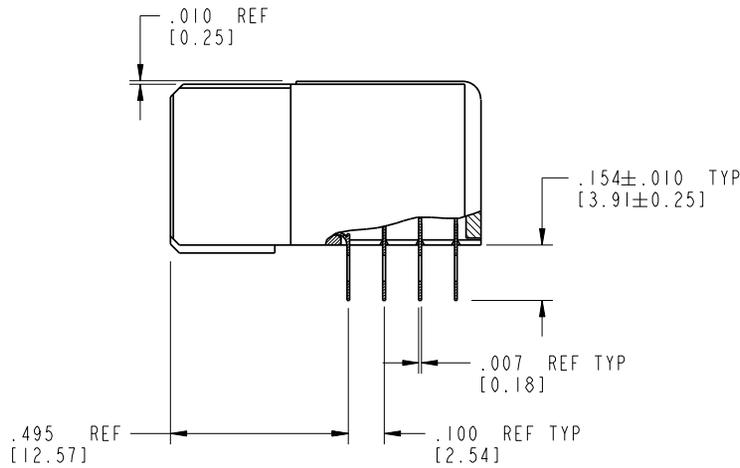
cage code 22526

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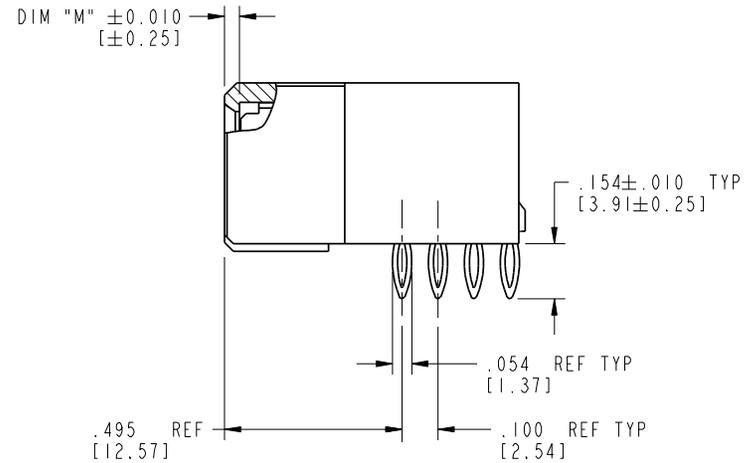
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PRODUCT NUMBER  
51866-039--  
Note: (3)



BROKEN-OUT SECTION A-A  
SCALE 2:1



BROKEN-OUT SECTION B-B  
SCALE 2:1

|                       |                |    |      |                                       |                       |          |  |                        |                          |
|-----------------------|----------------|----|------|---------------------------------------|-----------------------|----------|--|------------------------|--------------------------|
| mat'l code SEE NOTE 2 |                |    |      | tolerances unless otherwise specified |                       | CUSTOMER |  | <br>www.fciconnect.com |                          |
| lir                   | ecr no.        | dr | date | linear                                | .XX±.01/0.X±0.3       | COPY     |  | projection             | title                    |
| A                     |                |    |      |                                       | .XXX±.005/0.XX±0.13   |          |  |                        | 5P +12S + 5P             |
|                       |                |    |      | angles                                | .XXX±.002/0.XXX±0.051 |          |  |                        | R/A PRESS FIT RECEPTACLE |
|                       |                |    |      | dr                                    | 0° ± 2°               |          |  |                        | product family           |
|                       |                |    |      | enr                                   | Ryan Yuan 10/25/05    | INCH/MM  |  | scale                  | PwrBlade                 |
|                       |                |    |      | chr                                   | Steven Wang 10/25/05  | 1:1      |  | size                   | code                     |
|                       |                |    |      | appd                                  | VICTOR LIN 10/25/05   |          |  | dwg no                 | 213                      |
|                       |                |    |      |                                       | JOSEPH HSIA 10/25/05  |          |  | 51866-039              | sheet                    |
| sheet index           | revision sheet |    |      |                                       |                       |          |  |                        | 2 of 4                   |

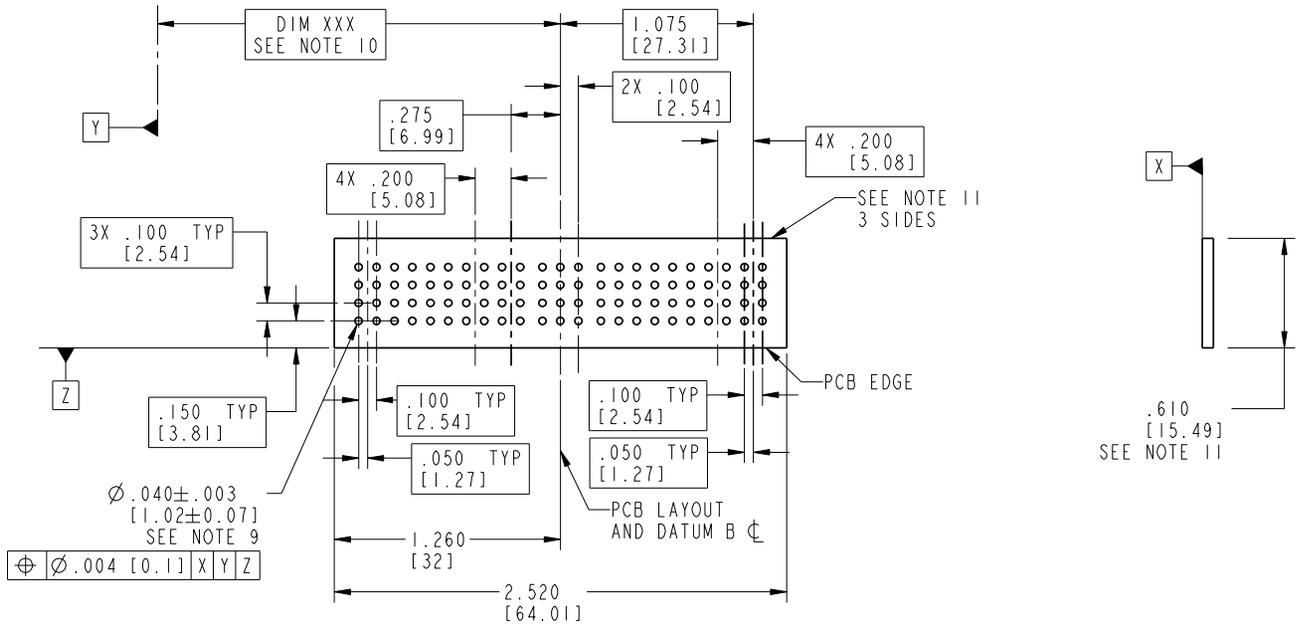
code code 22526

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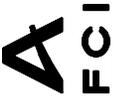
PRODUCT NUMBER  
51866-039--  
Note: ③



|             |                |            |      |                                       |                       |            |  |                          |  |
|-------------|----------------|------------|------|---------------------------------------|-----------------------|------------|--|--------------------------|--|
| mat'l code  |                | SEE NOTE 2 |      | tolerances unless otherwise specified |                       | CUSTOMER   |  | <b>A</b><br><b>FCI</b>   |  |
| lir         | ecr no.        | dr         | date | linear                                | .XX±.01/0.X±0.3       | COPY       |  | www.fciconnect.com       |  |
| A           |                |            |      | angles                                | .XXX±.005/0.XX±0.13   | projection |  | title                    |  |
|             |                |            |      | dr                                    | .XXX±.002/0.XXX±0.051 | INCH/MM    |  | 5P +12S + 5P             |  |
|             |                |            |      | enrg                                  | 0° ± 2°               | scale      |  | R/A PRESS FIT RECEPTACLE |  |
|             |                |            |      | chr                                   | Ryan, Yuan 10/25/05   | 1:1        |  | product family           |  |
|             |                |            |      | appd                                  | Steven, Wang 10/25/05 |            |  | PwrBlade                 |  |
|             |                |            |      |                                       | VICTOR LIN 10/25/05   |            |  | code                     |  |
|             |                |            |      |                                       | JOSEPH HSIA 10/25/05  |            |  | 213                      |  |
| sheet index | revision sheet |            |      |                                       |                       |            |  | size                     |  |
|             |                |            |      |                                       |                       |            |  | dwg no                   |  |
|             |                |            |      |                                       |                       |            |  | 51866-039                |  |
|             |                |            |      |                                       |                       |            |  | sheet                    |  |
|             |                |            |      |                                       |                       |            |  | 3 of 4                   |  |

code code 22526

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|  |  |
|--|--|
| <b>PRODUCT NUMBER</b>  |  |
| 51866-039--  |  |
| 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:  |  |
| 51866-039 Singal Pin:30u"/0.76um Au OVER 50u"/1.27um Ni ON THE CONTACT AREA,<br>AND 100u"/2.54um SnPb PLATING OVER 50u"/1.27um Ni ON THE TERMINATION SECTION.              |  |
| Power Pin:30u"/0.76um Au OVER 50u"/1.27um Ni ON THE CONTACT AREA,<br>AND 100u"/2.54um SnPb PLATING OVER 50u"/1.27um Ni ON THE TERMINATION SECTION.                         |  |
| 51866-039LF Singal Pin:30u"/0.76um Au OVER 50u"/1.27um Ni ON THE CONTACT AREA,<br>AND 78u"/2.00um Sn PLATING OVER 50u"/1.27um Ni ON THE TERMINATION SECTION.               |  |
| Power Pin:30u"/0.76um Au OVER 50u"/1.27um Ni ON THE CONTACT AREA,<br>AND 78u"/2.00um Sn PLATING OVER 50u"/1.27um Ni ON THE TERMINATION SECTION.                            |  |
| PART NUMBER 51866-039LF MEETS EUROPEAN UNION DIRECTIVE AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.  |  |
| THE HOUSING WILL WITHSTAND EXPOSURE TO 260° PEAK TEMPERATURE FOR 10 SECONDS IN A WAVE SOLDER APPLICATION WITH A CIRCUIT BOARD.   |  |
| (4) MANUFACTURER'S NAME, P/N, AND DATE CODE TO APPEAR ON THIS SURFACE.   |  |
| 5. PRODUCT SPECIFICATION GS-12-149.<br>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) Ø.0453±.0010 [1.151±0.025] DRILLED HOLES PLATED WITH<br>.0003 [0.008] MIN SnPb OVER .001 [0.03]<br>TO .003 [0.08] Cu PLATING TO ACHIEVE<br>Ø.040±.003 [1.02±.07] HOLE. |  |
| (10) "DIM XXX" TO BE DETERMINED BY THE CUSTOMER.   |  |
| (11) CONNECTOR KEEP-OUT ZONE.  |  |
| 12. USE FCI CAM TOOL 430140-XXX<br>TO APPLY CONNECTOR TO PCB.  |  |

|             |                |            |      |                                       |                       |          |  |                |  |                          |  |
|-------------|----------------|------------|------|---------------------------------------|-----------------------|----------|--|----------------|--|--------------------------|--|
| mat'l code  |                | SEE NOTE 2 |      | tolerances unless otherwise specified |                       | CUSTOMER |  | A<br>FCI       |  | www.fciconnect.com       |  |
| lfr         | ecm no.        | dr         | date | linear                                | .XX±.01/0.X±0.3       | COPY     |  | projection     |  | title                    |  |
| A           |                |            |      |                                       | .XXX±.005/0.XX±0.13   |          |  |                |  | 5P +12S + 5P             |  |
|             |                |            |      | angles                                | .XXX±.002/0.XXX±0.051 |          |  |                |  | R/A PRESS FIT RECEPTACLE |  |
|             |                |            |      | dr                                    | 0° ± 2°               | INCH/MM  |  | product family |  | PwrBlade                 |  |
|             |                |            |      | enrg                                  | Ryan.Yuan 10/25/05    | scale    |  | size           |  | code                     |  |
|             |                |            |      | chr                                   | Steven.Wang 10/25/05  | 1:1      |  | dwg no         |  | 213                      |  |
|             |                |            |      | appd                                  | VICTOR LIN 10/25/05   |          |  | 51866-039      |  | sheet                    |  |
|             |                |            |      |                                       | JOSEPH HSIA 10/25/05  |          |  | A              |  | 4 of 4                   |  |
| sheet index | revision sheet |            |      |                                       |                       |          |  |                |  |                          |  |

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