

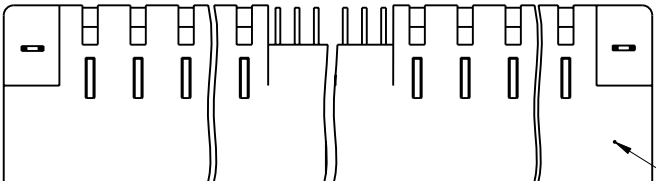
Tous droits strictement réservés. Reproduction ou communication o des liers  
interdit sous quelque forme que ce soit sans autorisation écrite du propriétaire.  
Propriété de c FCI. Droits de reproduction FCI.

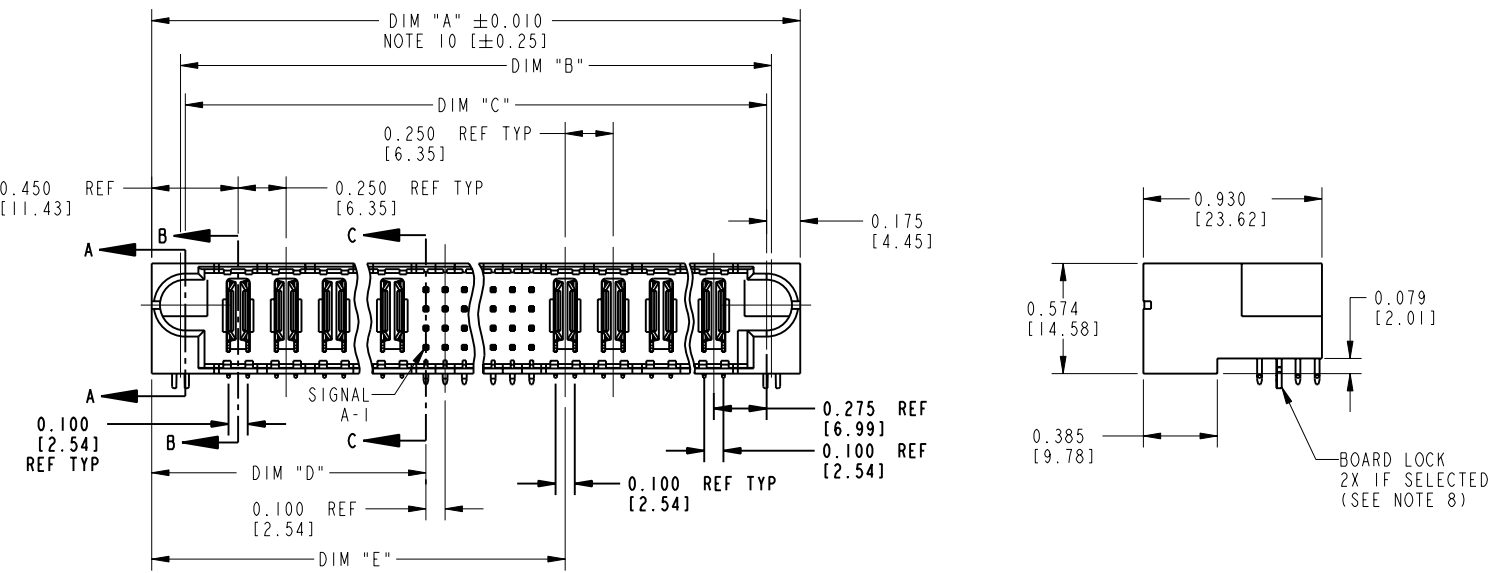


All rights strictly reserved. Reproduction or issue to third parties in any  
form whatever is not permitted without written authority from the proprietor.  
Property of FCI. Copyright FCI.

|                     |  |
|---------------------|--|
| PRODUCT NUMBER      |  |
| 51720- ABBCCCODEF.. |  |
| NOTE ①              |  |
| SEE NOTE 1          |  |





|                       |                |       |          |                                       |                                                                                                 |               |  |                                                                                  |  |
|-----------------------|----------------|-------|----------|---------------------------------------|-------------------------------------------------------------------------------------------------|---------------|--|----------------------------------------------------------------------------------|--|
| mat'l code SEE NOTE 2 |                |       |          | tolerances unless otherwise specified |                                                                                                 | CUSTOMER COPY |  | <b>ELECTRONICS</b><br><a href="http://www.fciconnect.com">www.fciconnect.com</a> |  |
| ltr                   | ecn no.        | dr    | date     | linear                                | $.XX \pm .01 / .X \pm .3$<br>$.XXX \pm .005 / .XX \pm .13$<br>$.XXXX \pm .0020 / .XXX \pm .051$ | projection    |  |                                                                                  |  |
| J                     | DG05-0132      | SJ    | 05/23/05 |                                       |                                                                                                 |               |  | <b>RIGHT ANGLE HEADER w/GUIDE PIN</b><br><b>POWER / SIGNAL / POWER</b>           |  |
| K                     | DG05-0485      | GuoJM | 11/21/05 |                                       |                                                                                                 |               |  |                                                                                  |  |
|                       |                |       |          | angles                                | $0^\circ \pm 2^\circ$                                                                           | INCH / MM     |  | product family PwrBlade code 213<br>size dwg no 51720 SHEET 1 OF 3               |  |
|                       |                |       |          | dr                                    | C. BAROT 05-04-99                                                                               | scale 1:1     |  |                                                                                  |  |
|                       |                |       |          | enrg                                  | J. BROWN 05-04-99                                                                               |               |  | A                                                                                |  |
|                       |                |       |          | chr                                   | J. BROWN 05-04-99                                                                               |               |  |                                                                                  |  |
|                       |                |       |          | appd                                  | J. BROWN 05-04-99                                                                               |               |  | cage code 22526                                                                  |  |
|                       |                |       |          |                                       |                                                                                                 |               |  |                                                                                  |  |
| sheet index           | revision sheet | K     | K        | K                                     |                                                                                                 |               |  |                                                                                  |  |
|                       |                | 1     | 2        | 3                                     |                                                                                                 |               |  |                                                                                  |  |

form no. 7530-001-103

Tous droits strictement reserves. Reproduction ou communication a des tiers interdite sous quelque forme que ce soit sans autorisation écrite du propriétaire. Propriété de c FCI. Droits de reproduction FCI.

All rights strictly reserved. Reproduction or issue to third parties in any form whatever is not permitted without written authority from the proprietor. Property of FCI. Copyright FCI.



| PRODUCT NUMBER      |  | DIM     |  | LENGTH FORMULAS (SEE NOTE 10)                                                       |  |
|---------------------|--|---------|--|-------------------------------------------------------------------------------------|--|
| 51720- ABBCCCDDEF.. |  | DIM "A" |  | .250 [6.35] x BB + .100 [2.54] x (CCC/4) + .250 [6.35] x DD + .650 [16.51](NOTE 10) |  |
| NOTE ①              |  | DIM "B" |  | .250 [6.35] x BB + .100 [2.54] x (CCC/4) + .250 [6.35] x DD + .350 [8.89]           |  |
| SEE NOTE 1          |  | DIM "C" |  | .250 [6.35] x BB + .100 [2.54] x (CCC/4) + .250 [6.35] x DD + .300 [7.62]           |  |
|                     |  | DIM "D" |  | .250 [6.35] x BB + .375 [9.53]                                                      |  |
|                     |  | DIM "E" |  | .250 [6.35] x BB + .100 [2.54] x (CCC/4) + .450 [11.43]                             |  |
|                     |  | DIM "F" |  | .250 [6.35] x BB + .100 [2.54] x (CCC/4) + .250 [6.35] x DD + .680 [17.27]          |  |
|                     |  | DIM "G" |  | .250 [6.35] x BB + .225 [5.72]                                                      |  |
|                     |  | DIM "H" |  | .250 [6.35] x BB + .100 [2.54] x (CCC/4) + .250 [6.35]                              |  |

CONNECTOR NOTES

① PRODUCT NUMBER CODE:  
51720 - A BB CCC DD E F LF  
A = BOARD LOCK (REQUIRES .098 + .002, -.001 [2.49 +0.05, -0.03] THRU HOLE IN PCB).  
B = .150 [3.81] THRU HOLE (REQUIRES .158±.003 [4.01±08] THRU HOLE IN PCB).  
MOUNTING FOOT THICKNESS: .220[5.59]  
MOUNTING FOOT THICKNESS: .160[4.06]  
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  
REFERENCE 51697 FOR SPECIALS WORKSHEET.

② HOUSING MATERIAL: GLASS FILLED V-O HIGH TEMP THERMO PLASTIC.  
SIGNAL CONTACT MATERIAL: COPPER ALLOY  
POWER CONTACT MATERIAL: COPPER ALLOY

③ PLATING OPTION:  
1 = SIGNAL CONTACTS: 50u" / 1.27um Ni UNDER ALL; 30u" / 0.76um Au ON THE CONTACT AREA AND WITH 100u"/2.54um SnPb OR 78u"/2.00um Sn ON PCB INTERFACE  
POWER CONTACTS: 50u" / 1.27um Ni UNDER ALL; WITH 30u" / 76um Au ON CONTACT AREA WITH 100u"/2.54um SnPb OR 78u"/2.00um Sn ON PCB INTERFACE  
3 = SIGNAL CONTACTS: 50u" / 1.27um Ni UNDER ALL; 30u" / 0.76um Au ON THE CONTACT AREA AND WITH 5u"/0.13um Au ONPCB INTERFACE  
POWER CONTACTS: 50u" / 1.27um Ni UNDER ALL; WITH 30u" / 76um Au ON CONTACT AREA WITH 5u"/0.13um Au ON PCB INTERFACE

④ LEFT END POWER CONTACTS, 01 TO 20 AVAILABLE.  
MAXIMUM OF 20 POWER CONTACTS PER CONNECTOR.

⑤ SIGNAL CONTACTS, 004 TO 148 AVAILABLE.

6. RIGHT END POWER CONTACTS, 01 TO 20 AVAILABLE.  
MAXIMUM OF 20 POWER CONTACTS PER CONNECTOR.

7. TAIL OPTIONS:  
A = .135 [3.43] SOLDER TO BOARD

PCB NOTES:

8. RETENTION TO PCB OPTIONS:  
A = BOARD LOCK (REQUIRES .098 + .002, -.001 [2.49 +0.05, -0.03] THRU HOLE IN PCB).  
MOUNTING FOOT THICKNESS: .220[5.59]  
B = .150 [3.81] THRU HOLE (REQUIRES .158±.003 [4.01±08] THRU HOLE IN PCB).  
MOUNTING FOOT THICKNESS: .160[4.06]  
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  
REFERENCE 51697 FOR SPECIALS WORKSHEET.

13. ALL DIMENSIONS ARE BASIC UNLESS OTHERWISE SPECIFIED.  
14. ALL THROUGH HOLES ARE LOCATED WITH A TRUE POSITION OF .004[0.10]  
15. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.  
16. Ø0.0453 ±.001 [1.15] ±0.02] DRILLED HOLES PLATED WITH 0.0003 [0.007] MIN SnPb OVER 0.001 [1.03] TO .003 [0.08] PLATING TO ACHIEVE A .040±.003 [1.02±08] HOLE.

| mat'l code  |                |    |      | tolerances unless otherwise specified |        | CUSTOMER COPY |                                                       | FCI ELECTRONICS |              |
|-------------|----------------|----|------|---------------------------------------|--------|---------------|-------------------------------------------------------|-----------------|--------------|
| lfr         | ecr no.        | dr | date | linear                                | angles | projection    | title                                                 | product family  | code         |
| K           |                |    |      | .XXX±.005/.XX±.13                     | 0°±2°  | INCH / MM     | RIGHT ANGLE HEADER w/GUIDE PIN POWER / SIGNAL / POWER | PwrBlade        | 213          |
|             |                |    |      | .XXX±.002/.XXX±.051                   |        | scale 1:1     |                                                       | 51720           | SHEET 2 OF 3 |
|             |                |    |      | dr C. BAROT 05-04-99                  |        |               |                                                       |                 |              |
|             |                |    |      | enrg J. BROWN 05-04-99                |        |               |                                                       |                 |              |
|             |                |    |      | chr J. BROWN 05-04-99                 |        |               |                                                       |                 |              |
|             |                |    |      | appd J. BROWN 05-04-99                |        |               |                                                       |                 |              |
| sheet index | revision sheet |    |      |                                       |        |               |                                                       |                 |              |

THIS FILE WAS ORIGINALLY CREATED IN THE PRO ENGINEER ENVIRONMENT AND ANY FUTURE REVISIONS TO THIS FILE MUST BE MADE IN THE PRO ENGINEER ENVIRONMENT

form no. 7530-001-103

cage code 22526

