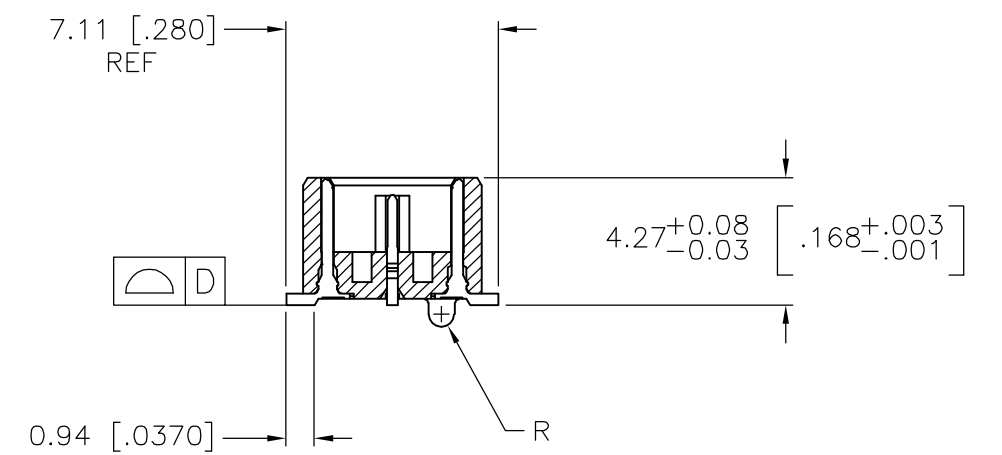
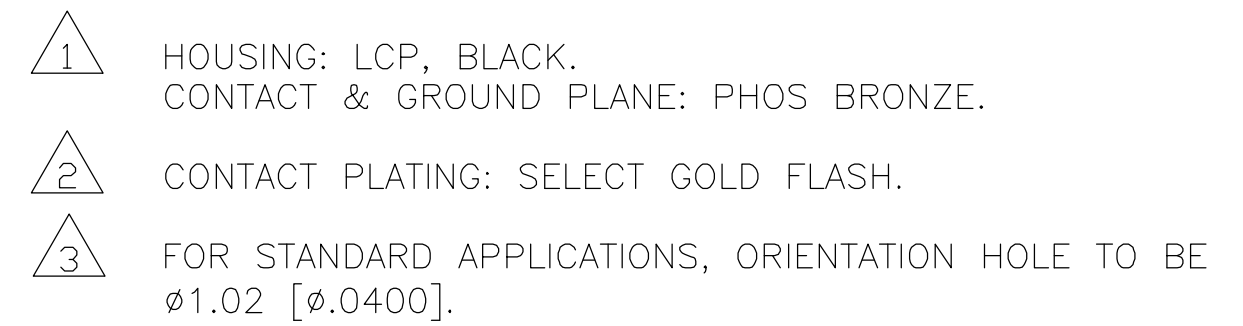
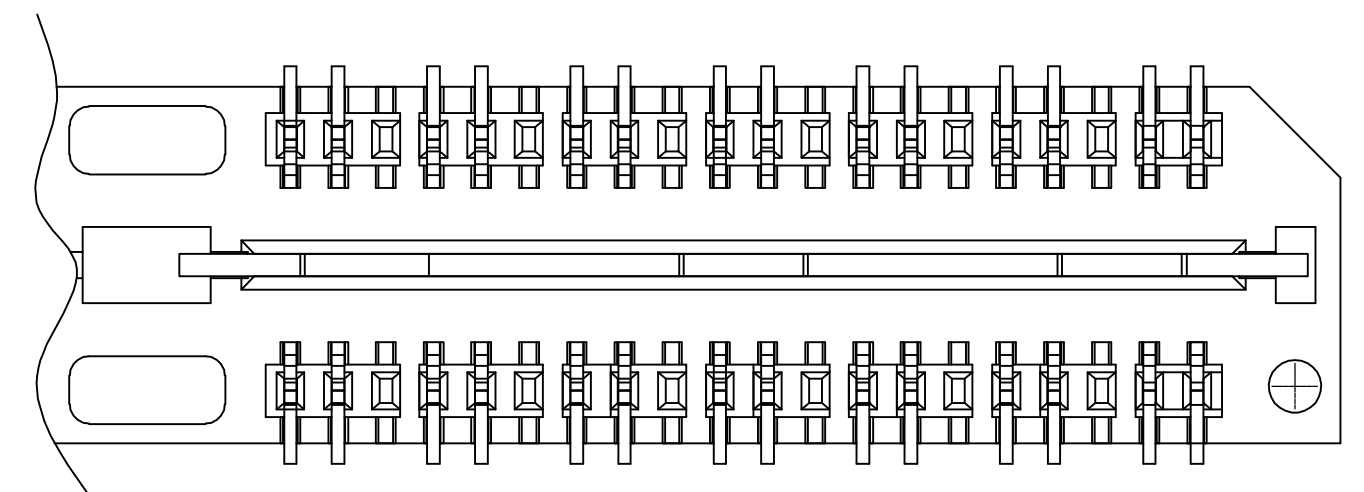


|     |      |           |     |                             |         |     |      |
|-----|------|-----------|-----|-----------------------------|---------|-----|------|
| LOC | DIST | REVISIONS |     |                             |         |     |      |
| AD  | 00   | P         | LTR | DESCRIPTION                 | DATE    | DWN | APVD |
|     |      |           | G   | REVISED PER EC OS12-0273-05 | 19SEP05 | JDP | DD   |



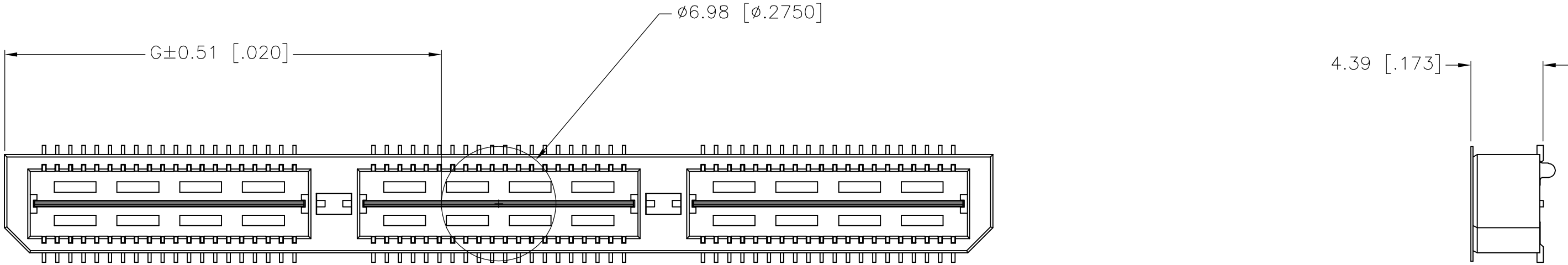
Technical drawing of a 12-pin connector assembly. The drawing shows a top-down view of a rectangular component with 12 pins arranged in two rows of six. The pins are labeled with numbers 1 through 12. The drawing includes dimensions for the pin pitch and the overall width of the component. The pin pitch is indicated as 0.09 [0.035] TYP. The overall width is indicated as 0.95 [.0375]. The drawing also shows the internal structure of the component, including the pins and the housing.



## RECOMMENDED PC BOARD LAYOUT

|                                                                                       |                                                                                                                  |                       |         |                                                                                                                        |           |            |               |       |        |     |   |
|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-----------------------|---------|------------------------------------------------------------------------------------------------------------------------|-----------|------------|---------------|-------|--------|-----|---|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |                                                                                                                  | DWN<br>B. CARBO       | 23MAY03 | <div><div>tyco</div><div>Electronics</div></div> <div>Tyco Electronics Corporation<br/>Harrisburg, PA 17105-3608</div> |           |            |               |       |        |     |   |
|                                                                                       |                                                                                                                  | CHK<br>D. DIXON       | 23MAY03 |                                                                                                                        |           |            |               |       |        |     |   |
| DIMENSIONS:<br>mm [INCHES]                                                            | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED:                                                                        | APVD<br>D. DIXON      | 23MAY03 | NAME<br><br>HEADER ASSEMBLY, 5.0MM [.197] VERTICAL,<br>0.80MM CL,<br>MICTOR SB                                         |           |            |               |       |        |     |   |
|                                                                                       |                                                                                                                  | PRODUCT SPEC<br>—     |         |                                                                                                                        |           |            |               |       |        |     |   |
|  | 0 PLC ± —<br>1 PLC ± 0.3[.01]<br>2 PLC ± 0.13[.005]<br>3 PLC ± 0.051[.0020]<br>4 PLC ± —<br>ANGLES ± —<br>FINISH | APPLICATION SPEC<br>— |         | SIZE                                                                                                                   | CAGE CODE | DRAWING NO | RESTRICTED TO |       |        |     |   |
|                                                                                       |                                                                                                                  | WEIGHT<br>—           |         | A2                                                                                                                     | 00779     | C-1658044  | —             |       |        |     |   |
| MATERIAL                                                                              |                             | CUSTOMER DRAWING      |         |                                                                                                                        |           | SCALE      | 3:1           | SHEET | 1 of 2 | REV | G |
|                                                                                       |                             |                       |         |                                                                                                                        |           |            |               |       |        |     |   |

| LOC | DIST | REVISIONS |     |             |      |     |      |
|-----|------|-----------|-----|-------------|------|-----|------|
|     |      | P         | LTR | DESCRIPTION | DATE | DWN | APVD |
| AD  | 00   |           | —   | SEE SHEET 1 | —    | —   | —    |



|              |              |   |              |              |              |               |                      |                |            |           |             |
|--------------|--------------|---|--------------|--------------|--------------|---------------|----------------------|----------------|------------|-----------|-------------|
| 26.52(1.044) | 40.00(1.575) | 2 | 0.102(.0040) | 58.50(2.303) | 55.20(2.173) | 60.00(2.362)  | YES                  | POCKET TAPE    | YES        | 84        | 7-1658044-3 |
| 16.51(.650)  | 20.00(.7874) | 1 | 0.102(.0040) | 38.48(1.515) | 35.20(1.386) | 40.00(1.575)  | YES                  | POCKET TAPE    | YES        | 56        | 7-1658044-2 |
| 6.50(.256)   | 0(.000)      | 0 | 0.102(.0040) | 18.49(.728)  | 15.20(.598)  | 20.00(.787)   | YES                  | POCKET TAPE    | YES        | 28        | 7-1658044-1 |
| 26.52(1.044) | 40.00(1.575) | 2 | 0.102(.0040) | 58.50(2.303) | 55.20(2.173) | 60.00(2.362)  | YES                  | POCKET TAPE    | NO         | 120       | 6-1658044-3 |
| 16.51(.650)  | 20.00(.7874) | 1 | 0.102(.0040) | 38.48(1.515) | 35.20(1.386) | 40.00(1.575)  | YES                  | POCKET TAPE    | NO         | 80        | 6-1658044-2 |
| 6.50(.256)   | 0(.000)      | 0 | 0.102(.0040) | 18.49(.728)  | 15.20(.598)  | 20.00(.787)   | YES                  | POCKET TAPE    | NO         | 40        | 6-1658044-1 |
| -            | 40.00(1.575) | 2 | 0.102(.0040) | 58.50(2.303) | 55.20(2.173) | 60.00(2.362)  | NO                   | POCKET TAPE    | YES        | 84        | 5-1658044-3 |
| -            | 20.00(.7874) | 1 | 0.102(.0040) | 38.48(1.515) | 35.20(1.386) | 40.00(1.575)  | NO                   | POCKET TAPE    | YES        | 56        | 5-1658044-2 |
| -            | 0(.000)      | 0 | 0.102(.0040) | 18.49(.728)  | 15.20(.598)  | 20.00(.787)   | NO                   | POCKET TAPE    | YES        | 28        | 5-1658044-1 |
| -            | 40.00(1.575) | 2 | 0.102(.0040) | 58.50(2.303) | 55.20(2.173) | 60.00(2.362)  | NO                   | POCKET TAPE    | NO         | 120       | 4-1658044-3 |
| -            | 20.00(.7874) | 1 | 0.102(.0040) | 38.48(1.515) | 35.20(1.386) | 40.00(1.575)  | NO                   | POCKET TAPE    | NO         | 80        | 4-1658044-2 |
| -            | 0(.000)      | 0 | 0.102(.0040) | 18.49(.728)  | 15.20(.598)  | 20.00(.787)   | NO                   | POCKET TAPE    | NO         | 40        | 4-1658044-1 |
| 46.51(1.831) | 80.00(3.150) | 4 | 0.152(.0060) | 98.50(3.748) | 95.20(3.748) | 100.00(3.937) | YES                  | TRAY           | YES        | 140       | 3-1658044-5 |
| 36.53(1.438) | 60.00(2.362) | 3 | 0.152(.0060) | 78.49(3.090) | 75.20(2.961) | 80.00(3.150)  | YES                  | TRAY           | YES        | 112       | 3-1658044-4 |
| 26.52(1.044) | 40.00(1.575) | 2 | 0.102(.0040) | 58.50(2.303) | 55.20(2.173) | 60.00(2.362)  | YES                  | TRAY           | YES        | 84        | 3-1658044-3 |
| 16.51(.650)  | 20.00(.7874) | 1 | 0.102(.0040) | 38.48(1.515) | 35.20(1.386) | 40.00(1.575)  | YES                  | TRAY           | YES        | 56        | 3-1658044-2 |
| 6.50(.256)   | 0(.000)      | 0 | 0.102(.0040) | 18.49(.728)  | 15.20(.598)  | 20.00(.787)   | YES                  | TRAY           | YES        | 28        | 3-1658044-1 |
| 46.51(1.831) | 80.00(3.150) | 4 | 0.152(.0060) | 98.50(3.748) | 95.20(3.748) | 100.00(3.937) | YES                  | TRAY           | NO         | 200       | 2-1658044-5 |
| 36.53(1.438) | 60.00(2.362) | 3 | 0.152(.0060) | 78.49(3.090) | 75.20(2.961) | 80.00(3.150)  | YES                  | TRAY           | NO         | 160       | 2-1658044-4 |
| 26.52(1.044) | 40.00(1.575) | 2 | 0.102(.0040) | 58.50(2.303) | 55.20(2.173) | 60.00(2.362)  | YES                  | TRAY           | NO         | 120       | 2-1658044-3 |
| 16.51(.650)  | 20.00(.7874) | 1 | 0.102(.0040) | 38.48(1.515) | 35.20(1.386) | 40.00(1.575)  | YES                  | TRAY           | NO         | 80        | 2-1658044-2 |
| 6.50(.256)   | 0(.000)      | 0 | 0.102(.0040) | 18.49(.728)  | 15.20(.598)  | 20.00(.787)   | YES                  | TRAY           | NO         | 40        | 2-1658044-1 |
| -            | 80.00(3.150) | 4 | 0.152(.0060) | 98.50(3.748) | 95.20(3.748) | 100.00(3.937) | NO                   | TRAY           | YES        | 140       | 1-1658044-5 |
| -            | 60.00(2.362) | 3 | 0.152(.0060) | 78.49(3.090) | 75.20(2.961) | 80.00(3.150)  | NO                   | TRAY           | YES        | 112       | 1-1658044-4 |
| -            | 40.00(1.575) | 2 | 0.102(.0040) | 58.50(2.303) | 55.20(2.173) | 60.00(2.362)  | NO                   | TRAY           | YES        | 84        | 1-1658044-3 |
| -            | 20.00(.7874) | 1 | 0.102(.0040) | 38.48(1.515) | 35.20(1.386) | 40.00(1.575)  | NO                   | TRAY           | YES        | 56        | 1-1658044-2 |
| -            | 0(.000)      | 0 | 0.102(.0040) | 18.49(.728)  | 15.20(.598)  | 20.00(.787)   | NO                   | TRAY           | YES        | 28        | 1-1658044-1 |
| -            | 80.00(3.150) | 4 | 0.152(.0060) | 98.50(3.748) | 95.20(3.748) | 100.00(3.937) | NO                   | TRAY           | NO         | 200       | 1658044-5   |
| -            | 60.00(2.362) | 3 | 0.152(.0060) | 78.49(3.090) | 75.20(2.961) | 80.00(3.150)  | NO                   | TRAY           | NO         | 160       | 1658044-4   |
| -            | 40.00(1.575) | 2 | 0.102(.0040) | 58.50(2.303) | 55.20(2.173) | 60.00(2.362)  | NO                   | TRAY           | NO         | 120       | 1658044-3   |
| -            | 20.00(.7874) | 1 | 0.102(.0040) | 38.48(1.515) | 35.20(1.386) | 40.00(1.575)  | NO                   | TRAY           | NO         | 80        | 1658044-2   |
| -            | 0(.000)      | 0 | 0.102(.0040) | 18.49(.728)  | 15.20(.598)  | 20.00(.787)   | NO                   | TRAY           | NO         | 40        | 1658044-1   |
| G            | F            | E | D            | C            | B            | A             | POLYIMIDE FILM PAD ▲ | PACKAGING TYPE | DIFF. PAIR | NO OF POS | PART NUMBER |

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:  
mm [INCHES]

MATERIAL  
SEE SHEET 1

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ± -  
1 PLC ± 0.3[.01]  
2 PLC ± 0.13[.005]  
3 PLC ± 0.051[.0020]  
4 PLC ± -  
ANGLES ± 2°  
FINISH  
SEE SHEET 1

DWN  
B.CARBO  
23MAY03

CHK  
D.DIXON  
23MAY03

APVD  
D.DIXON  
23MAY03

PRODUCT SPEC  
—

APPLICATION SPEC  
—

WEIGHT  
—

CUSTOMER DRAWING

**tyco**  
**Electronics**

Tyco Electronics Corporation  
Harrisburg, PA 17105-3608

NAME  
HEADER ASSEMBLY, 5.0MM [.197] VERTICAL,  
0.80MM CL,  
MICTOR SB

SIZE  
A2

CAGE CODE  
00779

DRAWING NO  
C=1658044

RESTRICTED TO  
—

SCALE  
3:1

SHEET  
2 of 2

REV  
G

# Mouser Electronics

Authorized Distributor

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