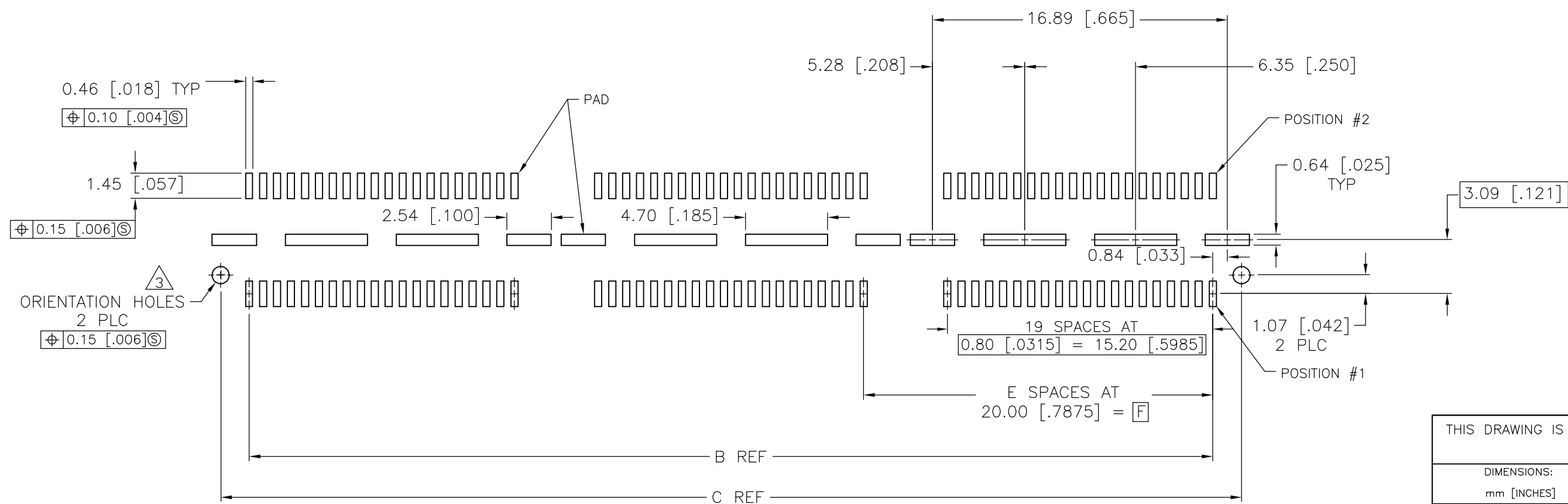
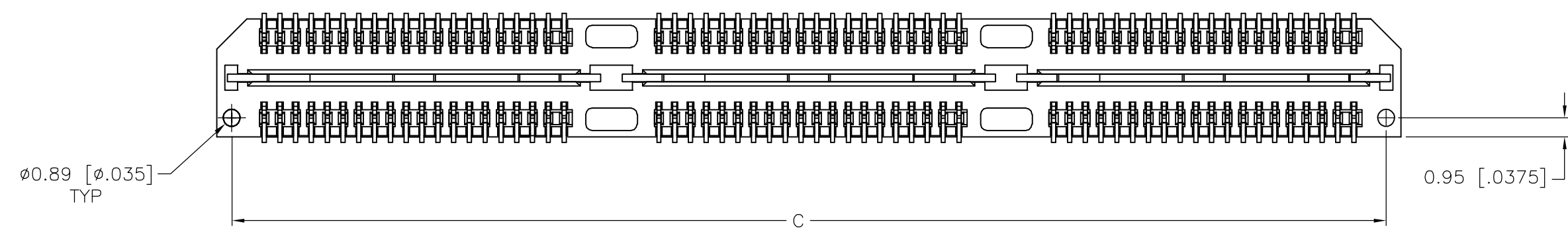
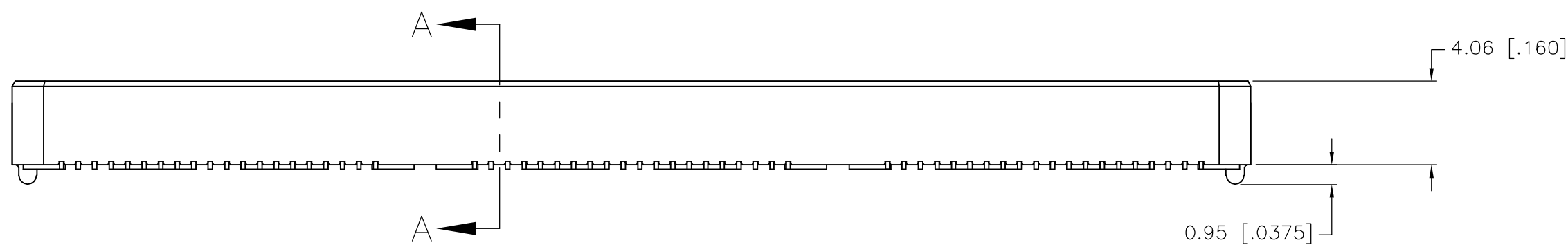
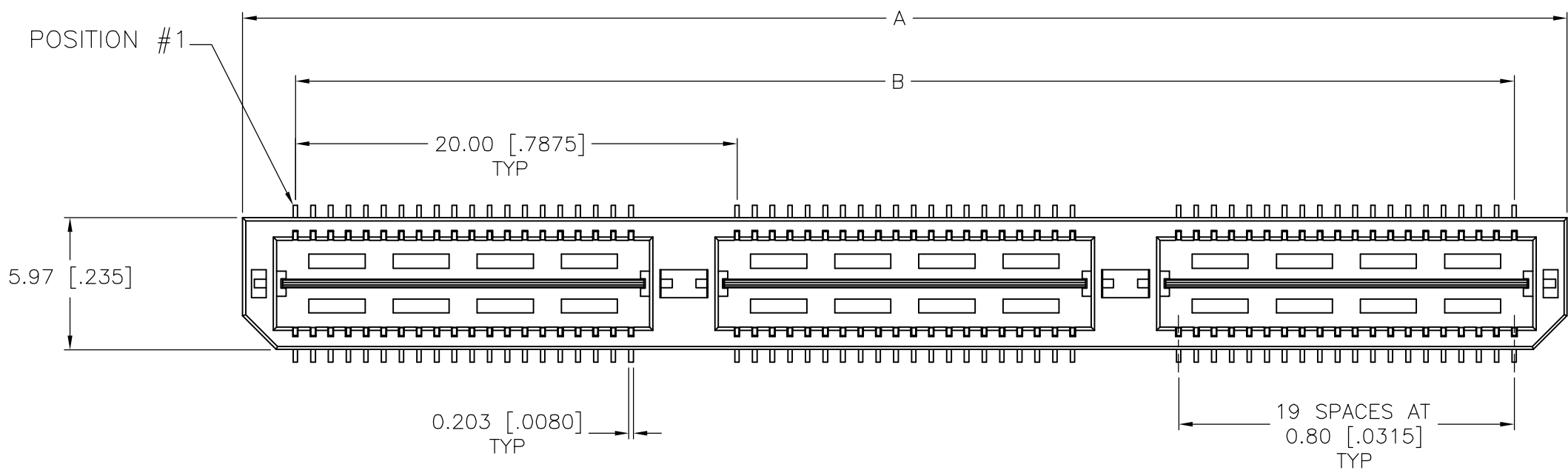
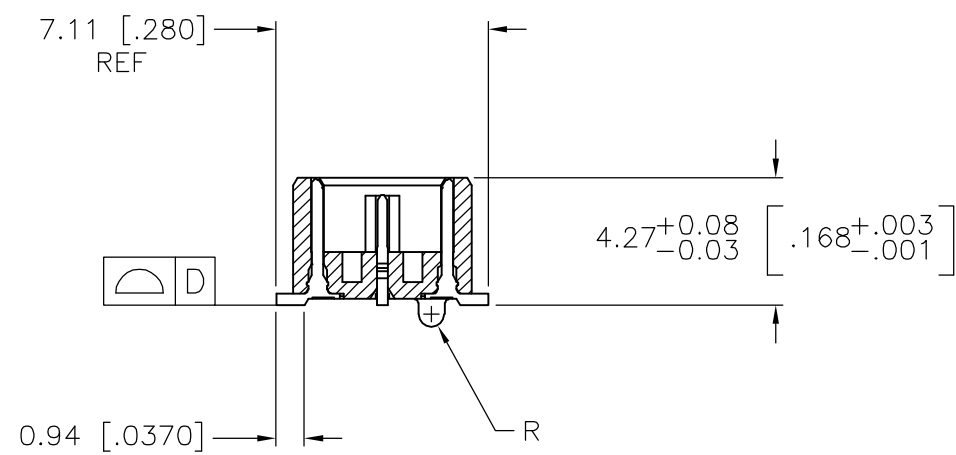


| LOC | DIST | REVISIONS |     |                             |         |     |
|-----|------|-----------|-----|-----------------------------|---------|-----|
| AD  | 00   | P         | LTR | DESCRIPTION                 | DATE    | DWN |
|     |      | G         |     | REVISED PER EC 0512-0273-05 | 19SEP05 | JDP |
|     |      |           |     |                             |         | DD  |

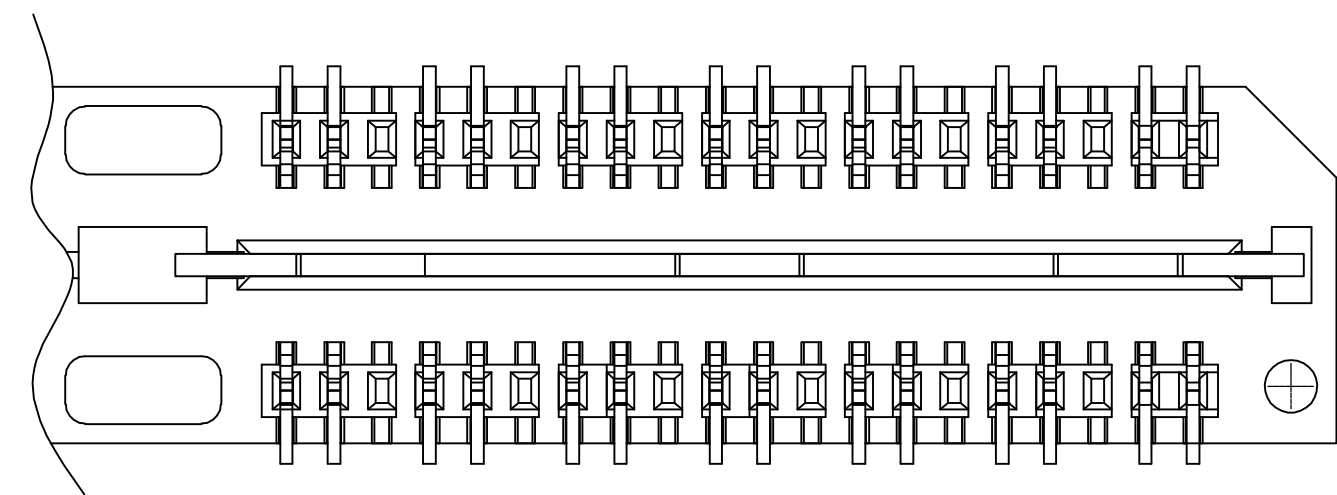


RECOMMENDED PC BOARD LAYOUT  
(VIEWED FROM CONNECTOR SIDE)

- 1 HOUSING: LCP, BLACK.  
CONTACT & GROUND PLANE: PHOS BRONZE.
- 2 CONTACT PLATING: SELECT GOLD FLASH.
- 3 FOR STANDARD APPLICATIONS, ORIENTATION HOLE TO BE ø1.02 [ø.0400].



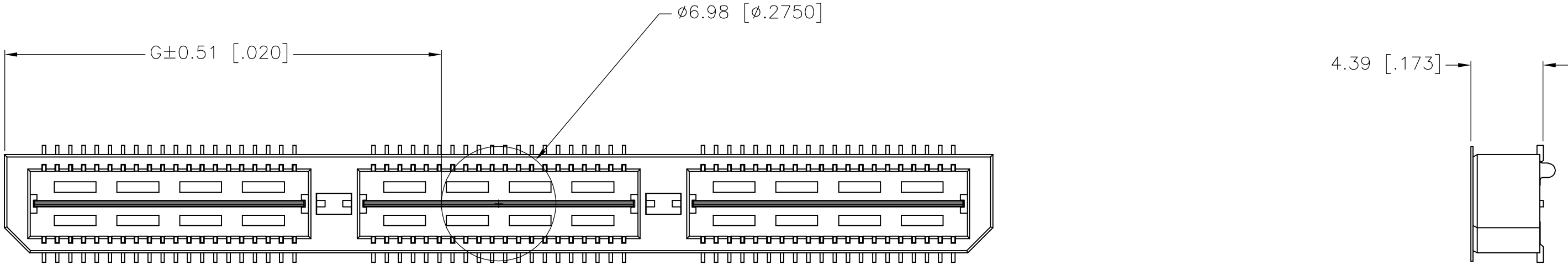
SECTION A-A



DIFFERENTIAL PAIR LOADING  
(BOTTOM VIEW)  
SCALE 2:1

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

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