



RECOMMENDED PC BOARD LAYOUT  
 1.57[.062] PC BOARD  
 VIEWED FROM CONNECTOR SIDE

- 1 MATERIAL:  
HOUSING: NYLON, 94V-0 RATED, COLOR: BLUE.  
CONTACTS: PHOSPHOR BRONZE
- 2 FINISH:  
CONTACTS: 0.76µm[.000030] MIN GOLD IN CONTACT AREA. .00254[.000100] MIN TIN ON SOLDER POST, ALL OVER 0.00127[.000050] MIN NICKEL.
- 3 FINISH:  
CONTACTS: 0.00254[.000100] MIN TIN OVER 0.00127[.000050] MIN NICKEL.
- 4 DATUMS AND BASIC DIMENSIONS TO BE ESTABLISHED BY THE CUSTOMER.

| FINISH | DIM Z        | DIM Y | DIM X        | DIM W        | DIM V      | NUMBER OF POSITIONS | PART NUMBER |
|--------|--------------|-------|--------------|--------------|------------|---------------------|-------------|
| 3      | 55.88[2.200] | 22    | 58.83[2.316] | 60.96[2.400] | 0.00[.000] | 23                  | 4-1888291-0 |
| 2      | 55.88[2.200] | 22    | 58.83[2.316] | 60.96[2.400] | 0.00[.000] | 23                  | 3-1888291-9 |
| 3      | 53.34[2.100] | 21    | 56.29[2.216] | 58.42[2.300] | 1.27[.050] | 22                  | 3-1888291-8 |
| 2      | 53.34[2.100] | 21    | 56.29[2.216] | 58.42[2.300] | 1.27[.050] | 22                  | 3-1888291-7 |
| 3      | 50.80[2.000] | 20    | 53.75[2.116] | 55.88[2.200] | 0.00[.000] | 21                  | 3-1888291-6 |
| 2      | 50.80[2.000] | 20    | 53.75[2.116] | 55.88[2.200] | 0.00[.000] | 21                  | 3-1888291-5 |
| 3      | 48.26[1.900] | 19    | 51.21[2.016] | 53.34[2.100] | 1.27[.050] | 20                  | 3-1888291-4 |
| 2      | 48.26[1.900] | 19    | 51.21[2.016] | 53.34[2.100] | 1.27[.050] | 20                  | 3-1888291-3 |
| 3      | 45.72[1.800] | 18    | 48.67[1.916] | 50.80[2.000] | 0.00[.000] | 19                  | 3-1888291-2 |
| 2      | 45.72[1.800] | 18    | 48.67[1.916] | 50.80[2.000] | 0.00[.000] | 19                  | 3-1888291-1 |
| 3      | 43.18[1.700] | 17    | 46.13[1.816] | 48.26[1.900] | 1.27[.050] | 18                  | 3-1888291-0 |
| 2      | 43.18[1.700] | 17    | 46.13[1.816] | 48.26[1.900] | 1.27[.050] | 18                  | 2-1888291-9 |
| 3      | 40.64[1.600] | 16    | 43.59[1.716] | 45.72[1.800] | 0.00[.000] | 17                  | 2-1888291-8 |
| 2      | 40.64[1.600] | 16    | 43.59[1.716] | 45.72[1.800] | 0.00[.000] | 17                  | 2-1888291-7 |
| 3      | 38.10[1.500] | 15    | 41.05[1.616] | 43.18[1.700] | 1.27[.050] | 16                  | 2-1888291-6 |
| 2      | 38.10[1.500] | 15    | 41.05[1.616] | 43.18[1.700] | 1.27[.050] | 16                  | 2-1888291-5 |
| 3      | 35.56[1.400] | 14    | 38.51[1.516] | 40.64[1.600] | 0.00[.000] | 15                  | 2-1888291-4 |
| 2      | 35.56[1.400] | 14    | 38.51[1.516] | 40.64[1.600] | 0.00[.000] | 15                  | 2-1888291-3 |
| 3      | 33.02[1.300] | 13    | 35.97[1.416] | 38.10[1.500] | 1.27[.050] | 14                  | 2-1888291-2 |
| 2      | 33.02[1.300] | 13    | 35.97[1.416] | 38.10[1.500] | 1.27[.050] | 14                  | 2-1888291-1 |
| 3      | 30.48[1.200] | 12    | 33.43[1.316] | 35.56[1.400] | 0.00[.000] | 13                  | 2-1888291-0 |
| 2      | 30.48[1.200] | 12    | 33.43[1.316] | 35.56[1.400] | 0.00[.000] | 13                  | 1-1888291-9 |
| 3      | 27.94[1.100] | 11    | 30.89[1.216] | 33.02[1.300] | 1.27[.050] | 12                  | 1-1888291-8 |
| 2      | 27.94[1.100] | 11    | 30.89[1.216] | 33.02[1.300] | 1.27[.050] | 12                  | 1-1888291-7 |
| 3      | 25.40[1.000] | 10    | 28.35[1.116] | 30.48[1.200] | 0.00[.000] | 11                  | 1-1888291-6 |
| 2      | 25.40[1.000] | 10    | 28.35[1.116] | 30.48[1.200] | 0.00[.000] | 11                  | 1-1888291-5 |
| 3      | 22.86[0.900] | 9     | 25.81[1.016] | 27.94[1.100] | 1.27[.050] | 10                  | 1-1888291-4 |
| 2      | 22.86[0.900] | 9     | 25.81[1.016] | 27.94[1.100] | 1.27[.050] | 10                  | 1-1888291-3 |
| 3      | 20.32[0.800] | 8     | 23.27[0.916] | 25.40[1.000] | 0.00[.000] | 9                   | 1-1888291-2 |
| 2      | 20.32[0.800] | 8     | 23.27[0.916] | 25.40[1.000] | 0.00[.000] | 9                   | 1-1888291-1 |
| 3      | 17.78[0.700] | 7     | 20.73[0.816] | 22.86[0.900] | 1.27[.050] | 8                   | 1-1888291-0 |
| 2      | 17.78[0.700] | 7     | 20.73[0.816] | 22.86[0.900] | 1.27[.050] | 8                   | 1888291-9   |
| 3      | 15.24[0.600] | 6     | 18.19[0.716] | 20.32[0.800] | 0.00[.000] | 7                   | 1888291-8   |
| 2      | 15.24[0.600] | 6     | 18.19[0.716] | 20.32[0.800] | 0.00[.000] | 7                   | 1888291-7   |
| 3      | 12.70[0.500] | 5     | 15.65[0.616] | 17.78[0.700] | 1.27[.050] | 6                   | 1888291-6   |
| 2      | 12.70[0.500] | 5     | 15.65[0.616] | 17.78[0.700] | 1.27[.050] | 6                   | 1888291-5   |
| 3      | 10.16[0.400] | 4     | 13.11[0.516] | 15.24[0.600] | 0.00[.000] | 5                   | 1888291-4   |
| 2      | 10.16[0.400] | 4     | 13.11[0.516] | 15.24[0.600] | 0.00[.000] | 5                   | 1888291-3   |
| 3      | 7.62[0.300]  | 3     | 10.57[0.416] | 12.70[0.500] | 1.27[.050] | 4                   | 1888291-2   |
| 2      | 7.62[0.300]  | 3     | 10.57[0.416] | 12.70[0.500] | 1.27[.050] | 4                   | 1888291-1   |

|  |              |                  |         |   |        |
|--|--------------|------------------|---------|---|--------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |              | DIN D1 MCMMASTER | OBUNJ06 | Tyco Electronics Corporation<br>Harrisburg, PA 17105-3608 |        |
| DIMENSIONS: mm [INCHES]                |              | APVD D1 GORENC   | OBUNJ06 | NAME: HEADER ASSY, VERTICAL, SINGLE ROW, FLEXPAC          |        |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: |              | PRODUCT SPEC     |         | APPLICATION SPEC  |        |
| 0 PLC                                  | ± .005       | SIZE             | A1      | CAGE CODE   | 00779  |
| 1 PLC                                  | ± .005       | DRAWING NO       | 1888291 | RESTRICTED TO   |        |
| 2 PLC                                  | ± .005       | WEIGHT           |         | SCALE   | 6:1    |
| 3 PLC                                  | ± 0.13[.005] | CUSTOMER DRAWING |         | SHEET   | 1 OF 2 |
| 4 PLC                                  | ± .005       |                  |         | REV   | B      |
| ANGLES                                 | ± .005       |                  |         |   |        |

|        |              |       |               |               |            |                     |             |
|--------|--------------|-------|---------------|---------------|------------|---------------------|-------------|
| 3      | 99.06[3.900] | 39    | 102.01[4.016] | 104.14[4.100] | 1.27[.050] | 40                  | 7-1888291-4 |
| 2      | 99.06[3.900] | 39    | 102.01[4.016] | 104.14[4.100] | 1.27[.050] | 40                  | 7-1888291-3 |
| 3      | 96.52[3.800] | 38    | 99.47[3.916]  | 101.60[4.000] | 0.00[.000] | 39                  | 7-1888291-2 |
| 2      | 96.52[3.800] | 38    | 99.47[3.916]  | 101.60[4.000] | 0.00[.000] | 39                  | 7-1888291-1 |
| 3      | 93.98[3.700] | 37    | 96.93[3.816]  | 99.06[3.900]  | 1.27[.050] | 38                  | 7-1888291-0 |
| 2      | 93.98[3.700] | 37    | 96.93[3.816]  | 99.06[3.900]  | 1.27[.050] | 38                  | 6-1888291-9 |
| 3      | 91.44[3.600] | 36    | 94.39[3.716]  | 96.52[3.800]  | 0.00[.000] | 37                  | 6-1888291-8 |
| 2      | 91.44[3.600] | 36    | 94.39[3.716]  | 96.52[3.800]  | 0.00[.000] | 37                  | 6-1888291-7 |
| 3      | 88.90[3.500] | 35    | 91.85[3.616]  | 93.98[3.700]  | 1.27[.050] | 36                  | 6-1888291-6 |
| 2      | 88.90[3.500] | 35    | 91.85[3.616]  | 93.98[3.700]  | 1.27[.050] | 36                  | 6-1888291-5 |
| 3      | 86.36[3.400] | 34    | 89.31[3.516]  | 91.44[3.600]  | 0.00[.000] | 35                  | 6-1888291-4 |
| 2      | 86.36[3.400] | 34    | 89.31[3.516]  | 91.44[3.600]  | 0.00[.000] | 35                  | 6-1888291-3 |
| 3      | 83.82[3.300] | 33    | 86.77[3.416]  | 88.90[3.500]  | 1.27[.050] | 34                  | 6-1888291-2 |
| 2      | 83.82[3.300] | 33    | 86.77[3.416]  | 88.90[3.500]  | 1.27[.050] | 34                  | 6-1888291-1 |
| 3      | 81.28[3.200] | 32    | 84.23[3.316]  | 86.36[3.400]  | 0.00[.000] | 33                  | 6-1888291-0 |
| 2      | 81.28[3.200] | 32    | 84.23[3.316]  | 86.36[3.400]  | 0.00[.000] | 33                  | 5-1888291-9 |
| 3      | 78.74[3.100] | 31    | 81.69[3.216]  | 83.82[3.300]  | 1.27[.050] | 32                  | 5-1888291-8 |
| 2      | 78.74[3.100] | 31    | 81.69[3.216]  | 83.82[3.300]  | 1.27[.050] | 32                  | 5-1888291-7 |
| 3      | 76.20[3.000] | 30    | 79.15[3.116]  | 81.28[3.200]  | 0.00[.000] | 31                  | 5-1888291-6 |
| 2      | 76.20[3.000] | 30    | 79.15[3.116]  | 81.28[3.200]  | 0.00[.000] | 31                  | 5-1888291-5 |
| 3      | 73.66[2.900] | 29    | 76.61[3.016]  | 78.74[3.100]  | 1.27[.050] | 30                  | 5-1888291-4 |
| 2      | 73.66[2.900] | 29    | 76.61[3.016]  | 78.74[3.100]  | 1.27[.050] | 30                  | 5-1888291-3 |
| 3      | 71.12[2.800] | 28    | 74.07[2.916]  | 76.20[3.000]  | 0.00[.000] | 29                  | 5-1888291-2 |
| 2      | 71.12[2.800] | 28    | 74.07[2.916]  | 76.20[3.000]  | 0.00[.000] | 29                  | 5-1888291-1 |
| 3      | 68.58[2.700] | 27    | 71.53[2.816]  | 73.66[2.900]  | 1.27[.050] | 28                  | 5-1888291-0 |
| 2      | 68.58[2.700] | 27    | 71.53[2.816]  | 73.66[2.900]  | 1.27[.050] | 28                  | 4-1888291-9 |
| 3      | 66.04[2.600] | 26    | 68.99[2.716]  | 71.12[2.800]  | 0.00[.000] | 27                  | 4-1888291-8 |
| 2      | 66.04[2.600] | 26    | 68.99[2.716]  | 71.12[2.800]  | 0.00[.000] | 27                  | 4-1888291-7 |
| 3      | 63.50[2.500] | 25    | 66.45[2.616]  | 68.58[2.700]  | 1.27[.050] | 26                  | 4-1888291-6 |
| 2      | 63.50[2.500] | 25    | 66.45[2.616]  | 68.58[2.700]  | 1.27[.050] | 26                  | 4-1888291-5 |
| 3      | 60.96[2.400] | 24    | 63.91[2.516]  | 66.04[2.600]  | 0.00[.000] | 25                  | 4-1888291-4 |
| 2      | 60.96[2.400] | 24    | 63.91[2.516]  | 66.04[2.600]  | 0.00[.000] | 25                  | 4-1888291-3 |
| 3      | 58.42[2.300] | 23    | 61.37[2.416]  | 63.50[2.500]  | 1.27[.050] | 24                  | 4-1888291-2 |
| 2      | 58.42[2.300] | 23    | 61.37[2.416]  | 63.50[2.500]  | 1.27[.050] | 24                  | 4-1888291-1 |
| FINISH | DIM Z        | DIM Y | DIM X         | DIM W         | DIM V      | NUMBER OF POSITIONS | PART NUMBER |

|  |  |  |         |   |  |  |  |
|--|--|--|---------|---|--|--|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | DIN D MCMMASTER                        | OBJUN06 | Tyco Electronics Corporation<br>Harrisburg, PA 17105-3608 |  |  |  |
| DIMENSIONS: mm [INCHES]                |  | TOLERANCES UNLESS OTHERWISE SPECIFIED: | OBJUN06 | NAME: HEADER ASSY, VERTICAL, SINGLE ROW, FLEXPAC          |  |  |  |
| 0. PLC ± -                             |  | 1. PLC ± -                             | OBJUN06 | PRODUCT SPEC: -   |  |  |  |
| 2. PLC ± 0.13[.005]                    |  | 3. PLC ± -                             | OBJUN06 | APPLICATION SPEC: -                                       |  |  |  |
| 4. PLC ± -                             |  | ANGLES ± -                             | OBJUN06 | SIZE: A1  |  |  |  |
| MATERIAL: -                            |  | FINISH: -                              | OBJUN06 | CAGE CODE: 00779  |  |  |  |
|  |  |  | OBJUN06 | DRAWING NO: 1888291                                       |  |  |  |
|  |  |  | OBJUN06 | RESTRICTED TO: -  |  |  |  |
|  |  |  | OBJUN06 | WEIGHT: -   |  |  |  |
|  |  |  | OBJUN06 | SCALE: 6:1  |  |  |  |
|  |  |  | OBJUN06 | SHEET 2 OF 2  |  |  |  |
|  |  |  | OBJUN06 | REV B   |  |  |  |
|  |  |  | OBJUN06 | CUSTOMER DRAWING  |  |  |  |