



RECOMMENDED HOLE LAYOUT

- ASSEMBLY MAY BE BROKEN TO THE DESIRED NUMBER OF POSITIONS
 - TRUE POSITION TOLERANCE OF THE POST TIPS APPLIES WHEN THE HEADER IS HELD FLAT AGAINST THE PRINTED CIRCUIT BOARD
- ③ THE NOTED DIMENSIONS APPLY AT THE INTERSECTION OF THE POST AND HOUSING
 - ④ HOUSING: FLAME RETARDANT THERMOPLASTIC; COLOR: BLACK.
 - ⑤ FINISH: 0.000381 [.000015] GOLD ON CONTACT AREA, 0.00254-0.00508 [.000100-.000200] MATTE TIN-LEAD ON SOLDER TAIL, 0.00127 [.000050] NICKEL ENTIRE POST.
 - ⑥ FINISH: 0.000381 [.000015] GOLD ON CONTACT AREA, 0.00254-0.00508 [.000100-.000200] MATTE TIN ON SOLDER TAIL, 0.00127 [.000050] NICKEL ENTIRE POST.

SEE SHEET 2 FOR PART NUMBER TABLES

| | | | | |
|--|------------------|--------------------------|-------------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | | DIN R BROWN 02MAR2006 | TE Connectivity | |
| DIMENSIONS: mm [INCHES] | | CHK J GESFORD 02MAR2006 | | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: | | APVD J GESFORD 02MAR2006 | NAME | |
| 0 PLC ± - | | | PRODUCT SPEC | |
| 1 PLC ± - | | | APPLICATION SPEC | |
| 2 PLC ± 0.51[.02] | | | SIZE CAGE CODE DRAWING NO | |
| 3 PLC ± 0.12[.005] | | | RESTRICTED TO | |
| 4 PLC ± 0.012[.0005] | | | WEIGHT | |
| ANGLES ± - | | | A1 00779 C=146503 | |
| MATERIAL | FINISH SEE TABLE | | CUSTOMER DRAWING | |
| ④ | | | SCALE 4:1 SHEET 1 OF 2 REV A1 | |

| | | | | | |
|---------|---------|---------|----|------------------|-------------|
| | 101.19 | 99.06 | 39 | 80 | 9-146503-0 |
| | [3.984] | [3.900] | | | |
| | 98.65 | 96.52 | 38 | 78 | 8-146503-9 |
| | [3.884] | [3.800] | | | |
| | 96.11 | 93.98 | 37 | 76 | 8-146503-8 |
| | [3.784] | [3.700] | | | |
| | 93.57 | 91.44 | 36 | 74 | 8-146503-7 |
| | [3.684] | [3.600] | | | |
| | 91.03 | 88.90 | 35 | 72 | 8-146503-6 |
| | [3.584] | [3.500] | | | |
| | 88.49 | 86.36 | 34 | 70 | 8-146503-5 |
| | [3.484] | [3.400] | | | |
| | 85.95 | 83.82 | 33 | 68 | 8-146503-4 |
| | [3.384] | [3.300] | | | |
| | 83.41 | 81.28 | 32 | 66 | 8-146503-3 |
| | [3.284] | [3.200] | | | |
| | 80.87 | 78.74 | 31 | 64 | 8-146503-2 |
| | [3.184] | [3.100] | | | |
| | 78.33 | 76.20 | 30 | 62 | 8-146503-1 |
| | [3.084] | [3.000] | | | |
| | 75.79 | 73.66 | 29 | 60 | 8-146503-0 |
| | [2.984] | [2.900] | | | |
| | 73.25 | 71.12 | 28 | 58 | 7-146503-9 |
| | [2.884] | [2.800] | | | |
| | 70.71 | 68.58 | 27 | 56 | 7-146503-8 |
| | [2.784] | [2.700] | | | |
| | 68.17 | 66.04 | 26 | 54 | 7-146503-7 |
| | [2.684] | [2.600] | | | |
| | 65.63 | 63.50 | 25 | 52 | 7-146503-6 |
| | [2.584] | [2.500] | | | |
| | 63.09 | 60.96 | 24 | 50 | 7-146503-5 |
| | [2.484] | [2.400] | | | |
| | 60.55 | 58.42 | 23 | 48 | 7-146503-4 |
| | [2.384] | [2.300] | | | |
| | 58.01 | 55.88 | 22 | 46 | 7-146503-3 |
| | [2.284] | [2.200] | | | |
| | 55.47 | 53.34 | 21 | 44 | 7-146503-2 |
| | [2.184] | [2.100] | | | |
| | 52.93 | 50.80 | 20 | 42 | 7-146503-1 |
| | [2.084] | [2.000] | | | |
| | 50.39 | 48.26 | 19 | 40 | 7-146503-0 |
| | [1.984] | [1.900] | | | |
| | 47.85 | 45.72 | 18 | 38 | 6-146503-9 |
| | [1.884] | [1.800] | | | |
| | 45.31 | 43.18 | 17 | 36 | 6-146503-8 |
| | [1.784] | [1.700] | | | |
| | 42.77 | 40.64 | 16 | 34 | 6-146503-7 |
| | [1.684] | [1.600] | | | |
| | 40.23 | 38.10 | 15 | 32 | 6-146503-6 |
| | [1.584] | [1.500] | | | |
| | 37.69 | 35.56 | 14 | 30 | 6-146503-5 |
| | [1.484] | [1.400] | | | |
| | 35.15 | 33.02 | 13 | 28 | 6-146503-4 |
| | [1.384] | [1.300] | | | |
| | 32.61 | 30.48 | 12 | 26 | 6-146503-3 |
| | [1.284] | [1.200] | | | |
| | 30.07 | 27.94 | 11 | 24 | 6-146503-2 |
| | [1.184] | [1.100] | | | |
| | 27.53 | 25.40 | 10 | 22 | 6-146503-1 |
| | [1.084] | [1.000] | | | |
| | 24.99 | 22.86 | 9 | 20 | 6-146503-0 |
| | [.984] | [.900] | | | |
| | 22.45 | 20.32 | 8 | 18 | 5-146503-9 |
| | [.884] | [.800] | | | |
| | 19.91 | 17.78 | 7 | 16 | 5-146503-8 |
| | [.784] | [.700] | | | |
| | 17.37 | 15.24 | 6 | 14 | 5-146503-7 |
| | [.684] | [.600] | | | |
| | 14.83 | 12.70 | 5 | 12 | 5-146503-6 |
| | [.584] | [.500] | | | |
| | 12.29 | 10.16 | 4 | 10 | 5-146503-5 |
| | [.484] | [.400] | | | |
| | 9.75 | 7.62 | 3 | 8 | 5-146503-4 |
| | [.384] | [.300] | | | |
| | 7.21 | 5.08 | 2 | 6 | 5-146503-3 |
| | [.284] | [.200] | | | |
| | 4.67 | 2.54 | 1 | 4 | 5-146503-2 |
| | [.184] | [.100] | | | |
| | 2.13 | - | - | 2 | 5-146503-1 |
| | [.084] | - | | | |
| PLATING | G | F | E | NO. OF POSITIONS | PART NUMBER |

| | | | | | |
|---------|---------|---------|----|------------------|-------------|
| | 101.19 | 99.06 | 39 | 80 | 4-146503-0 |
| | [3.984] | [3.900] | | | |
| | 98.65 | 96.52 | 38 | 78 | 3-146503-9 |
| | [3.884] | [3.800] | | | |
| | 96.11 | 93.98 | 37 | 76 | 3-146503-8 |
| | [3.784] | [3.700] | | | |
| | 93.57 | 91.44 | 36 | 74 | 3-146503-7 |
| | [3.684] | [3.600] | | | |
| | 91.03 | 88.90 | 35 | 72 | 3-146503-6 |
| | [3.584] | [3.500] | | | |
| | 88.49 | 86.36 | 34 | 70 | 3-146503-5 |
| | [3.484] | [3.400] | | | |
| | 85.95 | 83.82 | 33 | 68 | 3-146503-4 |
| | [3.384] | [3.300] | | | |
| | 83.41 | 81.28 | 32 | 66 | 3-146503-3 |
| | [3.284] | [3.200] | | | |
| | 80.87 | 78.74 | 31 | 64 | 3-146503-2 |
| | [3.184] | [3.100] | | | |
| | 78.33 | 76.20 | 30 | 62 | 3-146503-1 |
| | [3.084] | [3.000] | | | |
| | 75.79 | 73.66 | 29 | 60 | 3-146503-0 |
| | [2.984] | [2.900] | | | |
| | 73.25 | 71.12 | 28 | 58 | 2-146503-9 |
| | [2.884] | [2.800] | | | |
| | 70.71 | 68.58 | 27 | 56 | 2-146503-8 |
| | [2.784] | [2.700] | | | |
| | 68.17 | 66.04 | 26 | 54 | 2-146503-7 |
| | [2.684] | [2.600] | | | |
| | 65.63 | 63.50 | 25 | 52 | 2-146503-6 |
| | [2.584] | [2.500] | | | |
| | 63.09 | 60.96 | 24 | 50 | 2-146503-5 |
| | [2.484] | [2.400] | | | |
| | 60.55 | 58.42 | 23 | 48 | 2-146503-4 |
| | [2.384] | [2.300] | | | |
| | 58.01 | 55.88 | 22 | 46 | 2-146503-3 |
| | [2.284] | [2.200] | | | |
| | 55.47 | 53.34 | 21 | 44 | 2-146503-2 |
| | [2.184] | [2.100] | | | |
| | 52.93 | 50.80 | 20 | 42 | 2-146503-1 |
| | [2.084] | [2.000] | | | |
| | 50.39 | 48.26 | 19 | 40 | 2-146503-0 |
| | [1.984] | [1.900] | | | |
| | 47.85 | 45.72 | 18 | 38 | 1-146503-9 |
| | [1.884] | [1.800] | | | |
| | 45.31 | 43.18 | 17 | 36 | 1-146503-8 |
| | [1.784] | [1.700] | | | |
| | 42.77 | 40.64 | 16 | 34 | 1-146503-7 |
| | [1.684] | [1.600] | | | |
| | 40.23 | 38.10 | 15 | 32 | 1-146503-6 |
| | [1.584] | [1.500] | | | |
| | 37.69 | 35.56 | 14 | 30 | 1-146503-5 |
| | [1.484] | [1.400] | | | |
| | 35.15 | 33.02 | 13 | 28 | 1-146503-4 |
| | [1.384] | [1.300] | | | |
| | 32.61 | 30.48 | 12 | 26 | 1-146503-3 |
| | [1.284] | [1.200] | | | |
| | 30.07 | 27.94 | 11 | 24 | 1-146503-2 |
| | [1.184] | [1.100] | | | |
| | 27.53 | 25.40 | 10 | 22 | 1-146503-1 |
| | [1.084] | [1.000] | | | |
| | 24.99 | 22.86 | 9 | 20 | 1-146503-0 |
| | [.984] | [.900] | | | |
| | 22.45 | 20.32 | 8 | 18 | 146503-9 |
| | [.884] | [.800] | | | |
| | 19.91 | 17.78 | 7 | 16 | 146503-8 |
| | [.784] | [.700] | | | |
| | 17.37 | 15.24 | 6 | 14 | 146503-7 |
| | [.684] | [.600] | | | |
| | 14.83 | 12.70 | 5 | 12 | 146503-6 |
| | [.584] | [.500] | | | |
| | 12.29 | 10.16 | 4 | 10 | 146503-5 |
| | [.484] | [.400] | | | |
| | 9.75 | 7.62 | 3 | 8 | 146503-4 |
| | [.384] | [.300] | | | |
| | 7.21 | 5.08 | 2 | 6 | 146503-3 |
| | [.284] | [.200] | | | |
| | 4.67 | 2.54 | 1 | 4 | 146503-2 |
| | [.184] | [.100] | | | |
| | 2.13 | - | - | 2 | 146503-1 |
| | [.084] | - | | | |
| PLATING | G | F | E | NO. OF POSITIONS | PART NUMBER |

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm [INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED:
 0 PLC ± -
 1 PLC ± -
 2 PLC ± 0.51(.02)
 3 PLC ± 0.12(.005)
 4 PLC ± 0.012(.0005)
 ANGLES ±

MATERIAL 4 FINISH 5

DIN E. BRANDBERG 11-NOV-96
 CHK G. DUBNICZKI 11-NOV-96
 APVO G. DUBNICZKI 11-NOV-96
 PRODUCT SPEC
 APPLICATION SPEC
 WEIGHT -
 CUSTOMER DRAWING

TE Connectivity
 NAME
 HEADER ASSEMBLY, MOD II,
 STACKING, DOUBLE ROW,
 .025 SQ.POST, UNSHROUDED

SIZE A1 CASE CODE 00779 DRAWING NO. 146503
 RESTRICTED TO
 SCALE 4:1 SHEET 2 OF 2 REV A1

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[2-146503-9](#)