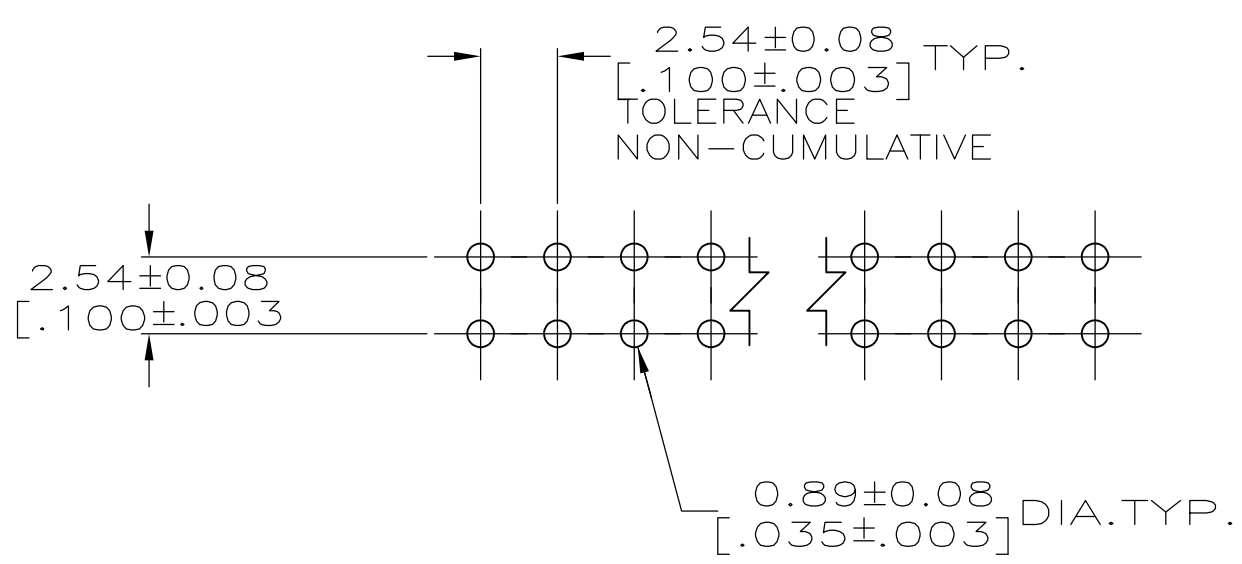
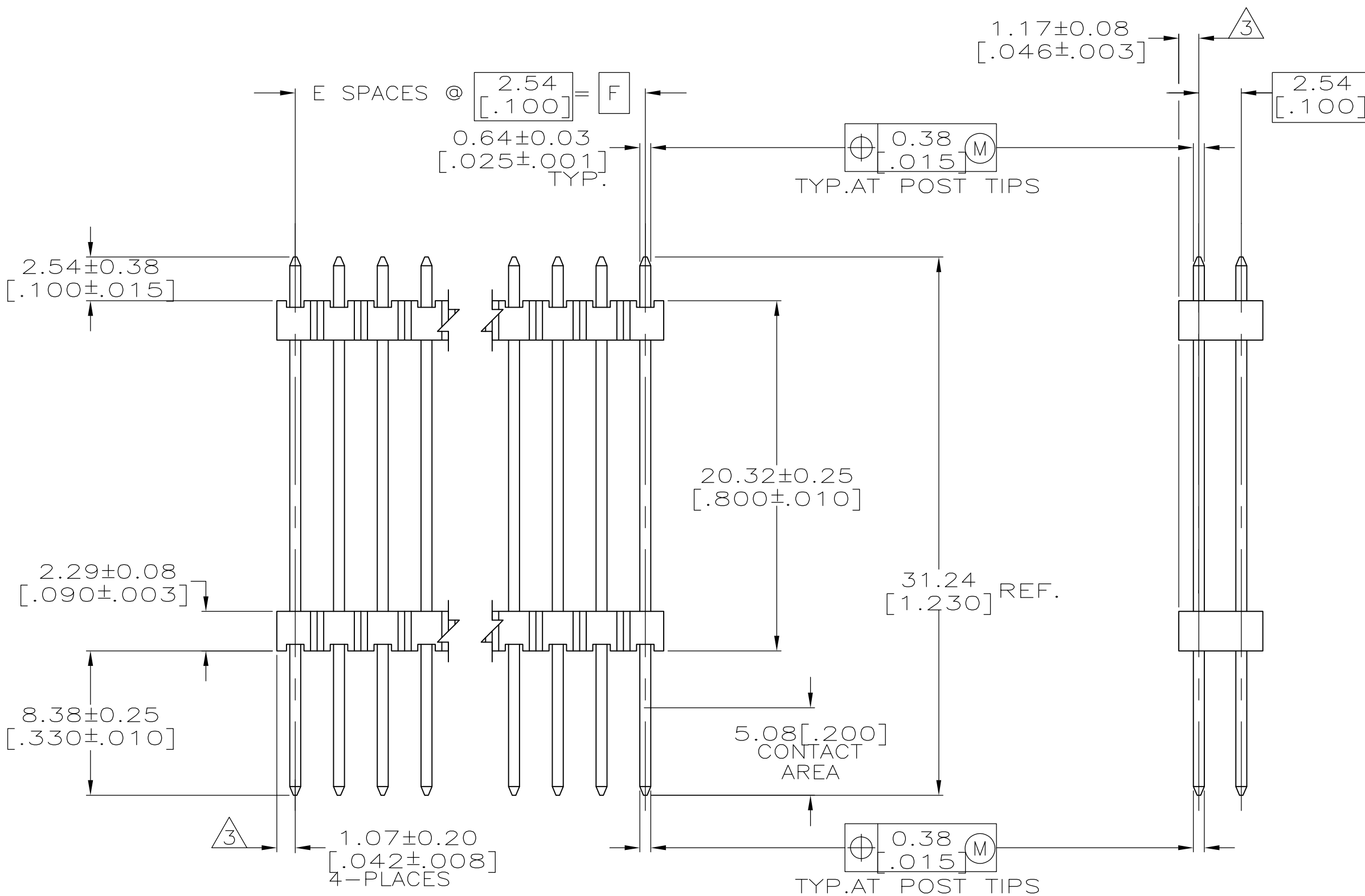
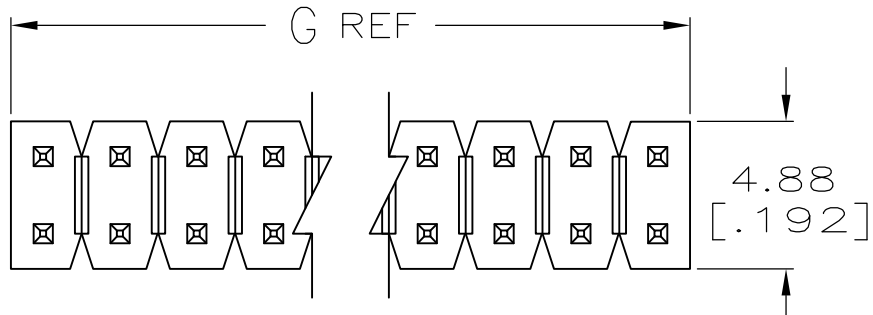




RECOMMENDED HOLE LAYOUT

1. ASSEMBLY MAY BE BROKEN TO THE DESIRED NUMBER OF POSITIONS
  2. 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.                                                |                                                                                                           | DWN<br>R BROWN    | 02MAR2006 |  TE Connectivity |                                                                               |               |              |
|                                                                                       |                                                                                                           | CHK<br>J GESFORD  | 02MAR2006 |                                                                                                       |                                                                               |               |              |
| DIMENSIONS:<br>mm [INCHES]                                                            | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED:                                                                 | APVD<br>J GESFORD | 02MAR2006 | NAME                                                                                                  | HEADER ASSEMBLY, MOD II,<br>STACKING, DOUBLE ROW,<br>.025 SQ.POST, UNSHROUDED |               |              |
|                                                                                       |                                                                                                           | PRODUCT SPEC      |           |                                                                                                       |                                                                               |               |              |
|  | 0 PLC ± -<br>1 PLC ± -<br>2 PLC ± 0.51[.02]<br>3 PLC ± 0.127[.005]<br>4 PLC ± 0.0127[.0005]<br>ANGLES ± - | APPLICATION SPEC  |           | SIZE                                                                                                  | CAGE CODE DRAWING NO                                                          | RESTRICTED TO |              |
|                                                                                       |                                                                                                           | — WEIGHT          |           |                                                                                                       |                                                                               |               |              |
| MATERIAL                                                                              | FINISH<br>SEE TABLE                                                                                       | —                 |           | A1                                                                                                    | 00779                                                                         | C146503       |              |
|                                                                                       |                                                                                                           | CUSTOMER DRAWING  |           |                                                                                                       |                                                                               |               |              |
|  |                                                                                                           |                   |           |                                                                                                       | SCALE                                                                         | 4:1           | SHEET 1 OF 2 |

8

7

6

5

4

3

2

1

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LOCAD

DIST39

REVISONS

| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|-----|-------------|------|-----|------|
| - | -   | SEE SHEET 1 | -    | -   | -    |

6

|         |         |    |    |                  |             |
|---------|---------|----|----|------------------|-------------|
| 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 |

5

|         |         |    |    |                  |             |
|---------|---------|----|----|------------------|-------------|
| 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 |

4805 (3/11)

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm [INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ± -

1 PLC ± -

2 PLC ± 0.51[.02]

3 PLC ± 0.127[.005]

4 PLC ± 0.0127[.0005]

ANGLES ± -

FINISH

MATERIAL

4

FINISH

5

DWN E. BRANDBERG 11-NOV-96

CHK G. DUBNICZKI 11-NOV-96

APVD G. DUBNICZKI 11-NOV-96

PRODUCT SPEC

APPLICATION SPEC

WEIGHT -

CUSTOMER DRAWING

NAME

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

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A1

00779

146503

2

2

REV

A1

# Mouser Electronics

Authorized Distributor

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[7-146503-9](#)