

- 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
- $\boxed{3}$  The noted dimensions apply at the intersection of the post and housing
- HOUSING: FLAME RETARDANT THERMOPLASTIC; COLOR: BLACK.
- FINISH: 0.000381 [.000015] GOLD ON CONTACT AREA, 0.00254—0.00508 [.000100—.000200] MATTE TIN—LEAD ON SOLDER TAIL, ALL OVER 0.00127 [.000050] NICKEL. 5
- 6 FINISH: 0.000381 [.000015] GOLD ON CONTACT AREA, 0.00254—0.00508 [.000100—.000200] MATTE TIN ON SOLDER TAIL, ALL OVER 0.00127 [.000050] NICKEL.
- HIGH TEMPERATURE CONFIGURATION.

2.54 [.100]

| A     | 7              | 6                           |         |         | 39 | 80 | 9-146497-0  | 25                   |
|---|----------------|-----------------------------|---------|---------|----|----|-------------|----------------------|
| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$   |                | 6                           |         |         | 38 | 78 | 8-146497-9  |                      |
| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$   |                | $\overline{\qquad \qquad }$ |         |         | 37 | 76 | 8-146497-8  |                      |
| A     State     [State     35     72     8-146497-6       A     State     [State     35     72     8-146497-6       A     State     [State     32     35     8-146497-8       A     State     [State     32     36     8-146497-3       A     State     [State     32     36     8-146497-4       A     State     [State     32     36     8-146497-3       A     State     [State     32     36     8-146497-3       A     State     [State     27     8-146497-3       A     State     [State     27     8-146497-5       A     State     [State     27     9     9     9     |                | $\overline{\qquad \qquad }$ | 93.57   | 91.44   | 36 | 74 | 8-146497-7  |                      |
| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$   |                |                             | 91.03   | 88.90   | 35 | 72 | 8-146497-6  |                      |
| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$   | $\overline{)}$ |                             | 88.49   | 86.36   | 34 | 70 | 8-146497-5  |                      |
| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$   | $\overline{)}$ |                             | 85.95   | 83.82   | 33 | 68 | 8-146497-4  |                      |
| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$   |                |                             | 83.41   | 81.28   | 32 | 66 | 8-146497-3  |                      |
| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$   | $\overline{)}$ | $\wedge$                    | 80.87   | 78.74   | 31 | 64 | 8-146497-2  |                      |
| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$   | $\overline{)}$ |                             | 78.33   | 76.20   | 30 | 62 | 8-146497-1  |                      |
| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$   | $\overline{)}$ |                             | 75.79   | 73.66   | 29 | 60 | 8-146497-0  |                      |
| $\begin{array}{ c c c c c c c c c c c c c c c c c c c$  | $\overline{)}$ |                             | 73.25   | 71.12   | 28 | 58 | 7-146497-9  |                      |
| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$   | $\overline{)}$ | $\wedge$                    | 70.71   | 68.58   | 27 | 56 |             |                      |
| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$   | $\overline{)}$ |                             | 68.17   | 66.04   | 26 | 54 |             |                      |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $   |                |                             | 65.63   | 63.50   |    | 52 |             |                      |
| $\begin{array}{ c c c c c c c c c c c c c c c c c c c$  |                |                             | 63.09   | 60.96   |    |    |             |                      |
| $\begin{array}{ c c c c c c c c c c c c c c c c c c c$  |                | $\overline{\qquad}$         | 60.55   | 58.42   |    |    |             |                      |
| $\begin{array}{ c c c c c c c c c c c c c c c c c c c$  |                |                             | 58.01   | 55.88   |    |    |             |                      |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $  |                |                             | 55.47   | 53.34   |    |    |             |                      |
| $\begin{array}{ c c c c c c c c c c c c c c c c c c c$  |                |                             | 52.93   | 50.80   |    |    |             | <u>/5</u>            |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $  |                |                             | 50.39   | 48.26   |    |    |             |                      |
| $\begin{array}{ c c c c c c c c c c c c c c c c c c c$  |                | $\overline{\qquad}$         | 47.85   | 45.72   |    |    |             |                      |
| $\begin{array}{ c c c c c c c c c c c c c c c c c c c$  |                |                             |         |         |    |    |             |                      |
| $\begin{array}{ c c c c c c c c c c c c c c c c c c c$  |                |                             |         |         |    |    |             |                      |
| $\begin{array}{ c c c c c c c c c c c c c c c c c c c$  |                |                             |         |         |    |    |             |                      |
| $\begin{array}{ c c c c c c c c c c c c c c c c c c c$  |                |                             | [1.584] | [1.500] |    |    |             |                      |
| $\begin{array}{ c c c c c c c c c c c c c c c c c c c$  |                | <u></u>                     | [1.484] | [1.400] |    |    |             |                      |
| $\begin{array}{ c c c c c c c c c c c c c c c c c c c$  |                | <u>_6</u>                   | [1.384] | [1.300] |    |    |             |                      |
| $\begin{array}{ c c c c c c c c c c c c c c c c c c c$  |                | <u></u>                     | [1.284] | [1.200] |    |    |             |                      |
| $\begin{array}{ c c c c c c c c c c c c c c c c c c c$  |                | <u>_6</u>                   | [1.184] | [1.100] |    |    |             |                      |
| ZA   Z6A   [.984]   [.900]   9   20   6-146497-0     ZA   Z245   20.32   8   18   5-146497-9     ZA   GA   [.784]   [.700]   7   16   5-146497-8     ZA   GA   [.784]   [.700]   7   16   5-146497-8     ZA   GA   [.784]   [.700]   7   16   5-146497-8     ZA   GA   [.784]   [.600]   6   14   5-146497-7     ZA   GA   [.584]   [.600]   6   14   5-146497-7     ZA   GA   [.584]   [.500]   5   12   5-146497-6     ZA   GA   [.229]   10.16   4   10   5-146497-5     ZA   GA   [.384]   [.300]   3   8   5-146497-4     ZA   GA   [.384]   [.200]   2   6   5-146497-3     ZA   GA   [.184]   [.100]   1   4   5-146497-2     ZA   GA   [.184]   [.100]   1   4   5-146  |                | <u>_6</u>                   | [1.084] | [1.000] |    |    | 6-146497-1  |                      |
| Z7   Z6   [.884]   [.800]   0   10   3-146497-9     Z7   Z6   [.784]   [.700]   7   16   5-146497-8     Z7   Z6   [.784]   [.600]   6   14   5-146497-7     Z7   Z6   17.37   [.684]   [.600]   6   14   5-146497-7     Z7   Z6   14.83   12.70   5   12   5-146497-6     Z7   Z6   [.584]   [.500]   5   12   5-146497-6     Z7   Z6   [.484]   [.400]   4   10   5-146497-5     Z7   Z6   [.284]   [.300]   3   8   5-146497-4     Z7   Z6   [.384]   [.200]   2   6   5-146497-4     Z7   Z6   [.284]   [.200]   2   6   5-146497-3     Z7   Z6   [.184]   [.100]   1   4   5-146497-2     Z7   Z6   Z.13   -   -   2   5-146497-1     Z7   Z6   Z.13   -   - <t< td=""><td></td><td><u></u></td><td>[.984]</td><td>[.900]</td><td></td><td></td><td></td><td></td></t<>                 |                | <u></u>                     | [.984]  | [.900]  |    |    |             |                      |
| 71   761   [.784]   [.700]   7   16   3-146497-8     72   6   17.37   15.24   6   14   5-146497-7     72   6   [.684]   [.600]   6   14   5-146497-7     73   6   [.584]   [.500]   5   12   5-146497-6     74   6   [.484]   [.400]   4   10   5-146497-5     74   6   [.484]   [.400]   4   10   5-146497-4     75   7.62   3   8   5-146497-4     74   6   [.284]   [.300]   3   8   5-146497-4     75   7.62   3   8   5-146497-4   5     75   7.62   3   8   5-146497-4     74   6   [.284]   [.200]   2   6   5-146497-3     75   7.62   3   8   5-146497-3   5   5     75   6   [.284]   [.200]   1   4   5-146497-2     74   6   [.184]   [.100]  |                | <u>_6</u>                   | [.884]  | [.800]  |    | 18 | 5-146497-9  |                      |
| 71   76   [.684]   [.600]   0   14   3-148497-7     71   76   [.584]   [.500]   5   12   5-146497-6     71   76   [.484]   [.400]   4   10   5-146497-5     71   76   [.484]   [.400]   4   10   5-146497-5     71   76   [.384]   [.300]   3   8   5-146497-4     71   76   [.384]   [.200]   2   6   5-146497-4     72   76   [.284]   [.200]   2   6   5-146497-4     72   76   [.284]   [.200]   2   6   5-146497-4     73   76   [.184]   [.100]   1   4   5-146497-2     74   76   [.184]   [.100]   1   4   5-146497-2     74   76   [.184]   [.100]   1   4   5-146497-1     75   76   [.084]   -   -   2   5-146497-1     75   76   [.084]   -   -   2 <td< td=""><td></td><td><u>_6</u></td><td>[.784]</td><td>[.700]</td><td>7</td><td>16</td><td>5-146497-8</td><td></td></td<> |                | <u>_6</u>                   | [.784]  | [.700]  | 7  | 16 | 5-146497-8  |                      |
| 71   76   [.584]   [.500]   5   12   5-146497-6     71   76   [.484]   [.400]   4   10   5-146497-5     71   76   [.384]   [.300]   3   8   5-146497-4     71   76   [.384]   [.300]   3   8   5-146497-4     71   76   [.284]   [.200]   2   6   5-146497-4     72   76   [.284]   [.200]   2   6   5-146497-3     72   76   [.284]   [.200]   2   6   5-146497-3     73   76   [.284]   [.200]   2   6   5-146497-3     74   76   [.184]   [.100]   1   4   5-146497-2     74   76   [.084]   -   -   2   5-146497-1     75   7.62   [.084]   -   -   2   5-146497-1     75   76   [.184]   [.100]   1   4   5-146497-1     76   [.084]   -   -   2   5-146497-1 </td <td></td> <td>6</td> <td>[.684]</td> <td>[.600]</td> <td>6</td> <td>14</td> <td>5-146497-7</td> <td></td>           |                | 6                           | [.684]  | [.600]  | 6  | 14 | 5-146497-7  |                      |
| 71   76   [.484]   [.400]   4   10   3-146497-3     71   76   [.384]   [.300]   3   8   5-146497-4     71   76   [.284]   [.200]   2   6   5-146497-3     71   76   [.284]   [.200]   2   6   5-146497-3     71   76   [.184]   [.100]   1   4   5-146497-2     71   76   [.184]   [.100]   1   4   5-146497-2     72   76   [.184]   [.100]   1   4   5-146497-2     72   76   [.084]   -   -   2   5-146497-1     73   76   [.084]   -   -   2   5-146497-1     74   76   [.084]   -   -   2   5-146497-1     74   76   [.084]   -   -   2   5-146497-1     75   76   [.084]   -   -   2   5-146497-1     75   76   [.084]   -   -   2   5-146497-1 </td <td></td> <td>6</td> <td>[.584]</td> <td>[.500]</td> <td>5</td> <td>12</td> <td>5-146497-6</td> <td></td>                        |                | 6                           | [.584]  | [.500]  | 5  | 12 | 5-146497-6  |                      |
| 71   76   [.384]   [.300]   5   6   5-146497-4     71   7.21   5.08   2   6   5-146497-3     71   7.284]   [.200]   2   6   5-146497-3     71   7.6   1.284]   [.200]   1   4   5-146497-2     71   7.6   1.184]   [.100]   1   4   5-146497-2     72   7.6   2.13   -   -   2   5-146497-1     72   7.6   2.13   -   -   2   5-146497-1     73   7.6   1.084]   -   -   2   5-146497-1     74   7.6   1.084]   -   -   2   5-146497-1     74   7.6   1.084]   -   -   2   5-146497-1     75   7.084   -   -   2   5-146497-1   -     75   7.084   -   -   2   5-146497-1   -     76   1.084   -   -   2   5-146497-1   -     76   1.084  |                | 6                           | [.484]  | [.400]  | 4  | 10 | 5-146497-5  |                      |
| ZA   Z6A   [.284]   [.200]   Z   6   5-146497-3     A   A.67   2.54   1   4   5-146497-2     A   G   2.13   -   -   2   5-146497-1     A   G   2.13   -   -   2   5-146497-1     A   G   F   E   NO. OF   PART NUMBER   P     REMARKS   PLATING   G   F   E   NO. OF   PART NUMBER   P  |                | <u>6</u>                    | [.384]  | [.300]  | 3  | 8  | 5-146497-4  |                      |
| ZA   Z6A   [.184]   [.100]   I   4   3-140497-2     A   2.13   -   -   2   5-146497-1     A   G   F   E   NO. OF   PART NUMBER   P     REMARKS   PLATING   G   F   E   NO. OF   PART NUMBER   P   |                | 6                           | [.284]  | [.200]  | 2  | 6  | 5-146497-3  |                      |
| ZZ Z6 [.084] - - Z 3-146497-1   REMARKS PLATING G F E NO. OF<br>POSITIONS PART NUMBER P   |                | 6                           | [.184]  |         | 1  | 4  | 5-146497-2  |                      |
| REMARKS FLATING G F E POSITIONS PART NUMBER F   |                | 6                           |         | _<br>_  | _  | 2  | 5-146497-1  |                      |
|   | REMARKS        | PLATING                     | G       | F       | E  |    | PART NUMBER | PLA <sup>-</sup>     |
|   |                |                             |         |         |    |    |             | THIS DRAWING IS A CO |

DIMENSIONS: mm [INCHES]

MATERIAL

|                                |             |                          |  |                 |                      | 1                                       |           |   |                     | ,<br>- |
|--------------------------------|-------------|--------------------------|--|-----------------|----------------------|---|-----------|---|---------------------|--------|
|                                |             | $\mathbf{Y}$             | 101.19<br>[3.984   | ]               | 99.06<br>[3.900]     | 3                                       | 9         | 80  | 4-146497-0          |        |
|                                | 5           | $\sum$                   | 98.65<br>[3.884  | .]              | 96.52<br>[3.800]     | 3                                       | 8         | 78  | 3-146497-9          |        |
|                                | $\int_{5}$  | $\sum$                   | 96.11<br>[3.784  | .]              | 93.98<br>[3.700]     | 3                                       | 7         | 76  | 3-146497-8          |        |
|                                | $\int_{5}$  | $\sum$                   | 93.57<br>[3.684  | .]              | 91.44<br>[3.600]     | 3                                       | 6         | 74  | 3-146497-7          |        |
|                                | 5           |                          | 91.03<br>[3.584  | .]              | 88.90<br>[3.500]     | 3                                       | 5         | 72  | 3-146497-6          |        |
|                                | 5           |                          | 88.49<br>[3.484  | . ]             | 86.36<br>[3.400]     | 3                                       | 4         | 70  | 3-146497-5          |        |
|                                | 5           |                          | 85.95<br>[3.384  | <br>. ]         | 83.82<br>[3.300]     | 3                                       | 3         | 68  | 3-146497-4          |        |
|                                | 5           |                          | 83.41<br>[3.284  | _               | 81.28<br>[3.200]     | 3                                       | 2         | 66  | 3-146497-3          |        |
|                                |             | $\rightarrow$            | 80.87<br>[3.184  |                 | 78.74<br>[3.100]     | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | 5 1       | 64  | 3-146497-2          |        |
|                                | /5          |                          | 78.33  | _               | 76.20                | 3                                       | 0         | 62  | 3-146497-1          |        |
|                                |             | $\Delta$                 | 75.79  |                 | _73.66 _             | 2                                       | 9         | 60  | 3-146497-0          |        |
|                                |             | $\Delta$                 | [2.984   |                 | [2.900]              |   | 8         | 58  | 2-146497-9          | ľ      |
|                                | <u></u>     |                          | [2.884   |                 | [2.800]<br>68.58     |   | 7         | 56  | 2-146497-8          |        |
|                                | <u></u>     | <u> </u>                 | [2.784<br>_68.17   |                 | [2.700]              |   | 6         | 54  | 2-146497-7          |        |
|                                | <u></u>     |                          | [2.684<br>65.63  | _               | [2.600]<br>63.50     |   | 5         | 52  | 2-146497-6          |        |
|                                |             |                          | [2.584<br>63.09  | . ]             | [2.500]<br>60.96     |   |           |   |                     |        |
|                                | <u></u>     |                          | [2.484<br>60.55  |                 | [2.400]<br>58.42     |   | 4         | 50  | 2-146497-5          | •      |
|                                | <u></u>     |                          | [2.384<br>58.01  | .]              | [2.300]<br>55.88     |   | 3         | 48  | 2-146497-4          |        |
|                                |             |                          | [2.284<br>55.47  | .]              | [2.200]<br>53.34     |   | 2         | 46  | 2-146497-3          |        |
|                                |             |                          | [2.184   | .]              | [2.100]              | 2                                       | 21        | 44  | 2-146497-2          |        |
|                                |             |                          | 52.93<br>[2.084  | .]              | 50.80                | 2                                       | 0         | 42  | 2-146497-1          |        |
|                                |             | $\sum$                   | 50.39<br>[1.984  | ]               | 48.26<br>[1.900]     | 1                                       | 9         | 40  | 2-146497-0          | _      |
|                                |             | $\mathbf{Y}$             | 47.85<br>[1.884  | ]               | 45.72<br>[1.800]     | 1                                       | 8         | 38  | 1-146497-9          |        |
|                                | 5           | $\sum$                   | 45.31<br>[1.784  | .]              | 43.18<br>[1.700]     | 1                                       | 7         | 36  | 1-146497-8          |        |
|                                | $\int_{5}$  | $\sum$                   | 42.77<br>[1.684  | .]              | 40.64<br>[1.600]     | 1                                       | 6         | 34  | 1-146497-7          |        |
|                                | $\int_{5}$  | $\sum$                   | 40.23<br>[1.584  | .]              | 38.10<br>[1.500]     | 1                                       | 5         | 32  | 1-146497-6          |        |
|                                | 5           |                          | 37.69<br>[1.484  | . ]             | 35.56<br>[1.400]     | 1                                       | 4         | 30  | 1-146497-5          |        |
|                                | 5           |                          |  | . ]             | <br>33.02<br>[1.300] | 1                                       | 3         | 28  | 1-146497-4          |        |
|                                | 5           |                          |  | -<br>. ]        | 30.48<br>[1.200]     | 1                                       | 2         | 26  | 1-146497-3          |        |
|                                |             |                          |  |                 | 27.94<br>[1.100]     | 1                                       | 1         | 24  | 1-146497-2          |        |
|                                | <u></u>     |                          | 27.53<br>[1.084  |                 | 25.40                | 1                                       | 0         | 22  | 1-146497-1          |        |
|                                |             |                          | 24.99<br>[.984]  | _               | 22.86<br>[.900]      |   | 9         | 20  | 1-146497-0          |        |
|                                | <u></u>     | $\Delta$                 | 22.45  |                 | 20.32                | 8                                       | 3         | 18  | 146497-9            |        |
| _                              |             |                          | [.884]   |                 | [.800]               | -                                       | 7         | 16  | 146497-8            |        |
|                                | <u></u>     |                          | [.784  |                 | [.700]<br>15.24      |   | 5         | 14  | 146497-7            |        |
|                                | <u></u>     | <u> </u>                 | [.684]<br>14.83  |                 | [.600]<br>12.70      |   | 5         | 12  | 146497-6            |        |
|                                | <u></u><br> |                          | <u>[.584</u> ]<br>12.29  | ]               | [.500]<br>10.16      |   |           |   | 146497-5            |        |
|                                | <u></u><br> |                          | [.484]<br>9.75   | ]               | [.400]<br>7.62       |   | 1         | 10  |                     |        |
| _                              | <u></u>     |                          | [.384]<br>7.21   |                 | [.300]               |   | 3         | 8   | 146497-4            |        |
|                                | <u></u>     |                          | (.284)<br>(.284)<br>4.67   |                 | [.200]<br>2.54       |   | 2         | 6   | 146497-3            |        |
|                                |             |                          | 2.13   | ]               | [.100]               |   | <u> </u>  | 4   | 146497-2            |        |
|                                | <u>_5</u>   |                          | 2.13   |                 |                      | -                                       | _         | 2   | 146497-1            |        |
|                                | PLAT        |                          | G  | DWA             | F                    | 21APR05                                 |           | NO. OF<br>POSITIONS                               | PART NUMBER         |        |
|                                | NG IS A COM |                          |  | DWN<br>R<br>CHK | BROWN                | 21APR05<br>21APR05                      |           | Z TE  | TE Connectivity     |        |
| mm [INCHES]                    |             |                          |  | GESFORD         | 21APR05              | NAME                                    |           |   |                     |        |
| 1 PLC ± -<br>2 PLC ± 0.51[.02] |             |                          |  | DUCT SPEC       |                      |   | STACKING, | STACKING, DOUBLE ROW,<br>.025 SQ.POST, UNSHROUDED |                     |        |
| Ψ                              | A           | SPLC ±<br>PLC ±<br>NGLES | 0.127[.005]<br>0.0127[.0005]<br>± -  |                 |                      |   |           |   |                     |        |
| FINISH SEE TAE                 |             | ABLE                     | WEIGHT _ A1 00779 C-146497 - CUSTOMER DRAWING SCALE 4.1 SHEET 1 OF 1 REV P |                 |                      |   |           |   |                     |        |
|                                |             |                          |  |                 | JI JWILIN DIA        |   |           |   | 4:1   31121 1 1   P | ]      |

REVISIONS AD OO PLTR DESCRIPTION DATE DWN AP\ 11MAR11 RK HMF P REVISED PER ECO-11-004820

## **Mouser Electronics**

Authorized Distributor

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

TE Connectivity: 9-146497-0