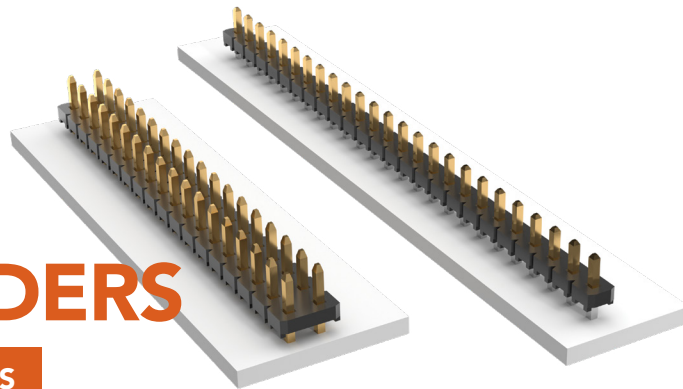


# FLEX STACK

# LOW PROFILE .025" SQ POST HEADERS

(2.54 mm) .100" PITCH • TLW/MTLW SERIES



## TLW/MTLW

### Board Mates:

BSW, CES, SLW, HLE

### FEATURES

These headers provide the ultimate low profile (0.64 mm) .025" square post board stacking system. The high quality Phosphor Bronze terminals are available with a standard short post height (TLW Series) for mating with low profile sockets, or the post height can be Modified (MTLW Series) to accommodate IDC assemblies and other applications.

### SPECIFICATIONS

#### Insulator Material:

Black Liquid Crystal Polymer

#### Terminal Material:

Phosphor Bronze

#### Plating:

Au or Sn over  
50 μ" (1.27 μm) Ni

#### Operating Temp Range:

-55 °C to +105 °C with Tin

-55 °C to +125 °C with Gold

#### Current Rating (TLW/SLW):

5.2 A per pin

(2 pins powered)

#### Voltage Rating:

406 VAC/574 VDC

### PROCESSING

#### Lead-Free Solderable:

Yes

### ALSO AVAILABLE

Contact Samtec

Other platings

Notch option

#### Note:

Some lengths, styles and options are non-standard, non-returnable. MTLW Series is non-standard, non-returnable.

| TLW                                                                                                                                                                                                                                 | - 1         | NO. PINS PER ROW                                             | LEAD STYLE                    | PLATING OPTION                                                                                                                            | ROW OPTION                                   | OTHER OPTION                                                                                                      |            |   |   |     |     |             |     |             |             |     |             |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------------------------------------------------------|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------|------------|---|---|-----|-----|-------------|-----|-------------|-------------|-----|-------------|--|
|                                                                                                                                                                                                                                     |             | 01 thru 40<br>= Single Row<br><br>01 thru 36<br>= Double Row | Specify LEAD STYLE from chart | -F<br>= Gold flash on post, Matte Tin on tail<br><br>-G<br>= 10 μ" (0.25 μm)<br>Gold on post, Gold flash on tail<br><br>-T<br>= Matte Tin | -S<br>= Single Row<br><br>-D<br>= Double Row | -RA<br>= Right-angle (-01 Lead Style only)<br><br>-"XX"<br>= Polarized Position Specify position for omitted pin. |            |   |   |     |     |             |     |             |             |     |             |  |
|                                                                                                                                                                                                                                     |             |                                                              |                               |                                                                                                                                           |                                              |                                                                                                                   |            |   |   |     |     |             |     |             |             |     |             |  |
| <table><tr><th>LEAD STYLE</th><th>A</th><th>B</th></tr><tr><td>-01</td><td>N/A</td><td>(5.84) .230</td></tr><tr><td>-05</td><td>(4.32) .170</td><td>(2.67) .105</td></tr><tr><td>-06</td><td>(3.43) .135</td><td></td></tr></table> |             |                                                              |                               |                                                                                                                                           |                                              |                                                                                                                   | LEAD STYLE | A | B | -01 | N/A | (5.84) .230 | -05 | (4.32) .170 | (2.67) .105 | -06 | (3.43) .135 |  |
| LEAD STYLE                                                                                                                                                                                                                          | A           | B                                                            |                               |                                                                                                                                           |                                              |                                                                                                                   |            |   |   |     |     |             |     |             |             |     |             |  |
| -01                                                                                                                                                                                                                                 | N/A         | (5.84) .230                                                  |                               |                                                                                                                                           |                                              |                                                                                                                   |            |   |   |     |     |             |     |             |             |     |             |  |
| -05                                                                                                                                                                                                                                 | (4.32) .170 | (2.67) .105                                                  |                               |                                                                                                                                           |                                              |                                                                                                                   |            |   |   |     |     |             |     |             |             |     |             |  |
| -06                                                                                                                                                                                                                                 | (3.43) .135 |                                                              |                               |                                                                                                                                           |                                              |                                                                                                                   |            |   |   |     |     |             |     |             |             |     |             |  |

| MTLW       | - 1          | NO. PINS PER ROW                                             | LEAD STYLE                    | PLATING OPTION                                                                                                                                                                                                                                                                                                                                                                                                                                  | ROW OPTION                                   | POST HEIGHT                                   |            |     |     |             |     |             |     |              |     |              |     |              |     |              |     |              |     |              |     |              |
|------------|--------------|--------------------------------------------------------------|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|-----------------------------------------------|------------|-----|-----|-------------|-----|-------------|-----|--------------|-----|--------------|-----|--------------|-----|--------------|-----|--------------|-----|--------------|-----|--------------|
|            |              | 01 thru 40<br>= Single Row<br><br>01 thru 36<br>= Double Row | Specify LEAD STYLE from chart | -F<br>= Gold flash on post,<br>Matte Tin on tail<br><br>-L<br>= 10 μ" (0.25 μm)<br>Gold on post,<br>Matte Tin on tail<br><br>-G<br>= 10 μ" (0.25 μm)<br>Gold on post,<br>Gold flash on tail<br><br>-T<br>= Matte Tin                                                                                                                                                                                                                            | -S<br>= Single Row<br><br>-D<br>= Double Row | -"XXX"<br>= Post Height Dimension (In inches) |            |     |     |             |     |             |     |              |     |              |     |              |     |              |     |              |     |              |     |              |
|            |              |                                                              |                               | <table><tr><th>LEAD STYLE</th><th>OAL</th></tr><tr><td>-05</td><td>(8.51) .335</td></tr><tr><td>-06</td><td>(7.62) .300</td></tr><tr><td>-07</td><td>(10.92) .430</td></tr><tr><td>-08</td><td>(13.46) .530</td></tr><tr><td>-09</td><td>(18.54) .730</td></tr><tr><td>-10</td><td>(21.08) .830</td></tr><tr><td>-22</td><td>(16.00) .630</td></tr><tr><td>-23</td><td>(11.30) .445</td></tr><tr><td>-24</td><td>(12.19) .480</td></tr></table> |                                              |                                               | LEAD STYLE | OAL | -05 | (8.51) .335 | -06 | (7.62) .300 | -07 | (10.92) .430 | -08 | (13.46) .530 | -09 | (18.54) .730 | -10 | (21.08) .830 | -22 | (16.00) .630 | -23 | (11.30) .445 | -24 | (12.19) .480 |
| LEAD STYLE | OAL          |                                                              |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                                               |            |     |     |             |     |             |     |              |     |              |     |              |     |              |     |              |     |              |     |              |
| -05        | (8.51) .335  |                                                              |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                                               |            |     |     |             |     |             |     |              |     |              |     |              |     |              |     |              |     |              |     |              |
| -06        | (7.62) .300  |                                                              |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                                               |            |     |     |             |     |             |     |              |     |              |     |              |     |              |     |              |     |              |     |              |
| -07        | (10.92) .430 |                                                              |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                                               |            |     |     |             |     |             |     |              |     |              |     |              |     |              |     |              |     |              |     |              |
| -08        | (13.46) .530 |                                                              |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                                               |            |     |     |             |     |             |     |              |     |              |     |              |     |              |     |              |     |              |     |              |
| -09        | (18.54) .730 |                                                              |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                                               |            |     |     |             |     |             |     |              |     |              |     |              |     |              |     |              |     |              |     |              |
| -10        | (21.08) .830 |                                                              |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                                               |            |     |     |             |     |             |     |              |     |              |     |              |     |              |     |              |     |              |     |              |
| -22        | (16.00) .630 |                                                              |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                                               |            |     |     |             |     |             |     |              |     |              |     |              |     |              |     |              |     |              |     |              |
| -23        | (11.30) .445 |                                                              |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                                               |            |     |     |             |     |             |     |              |     |              |     |              |     |              |     |              |     |              |     |              |
| -24        | (12.19) .480 |                                                              |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                                               |            |     |     |             |     |             |     |              |     |              |     |              |     |              |     |              |     |              |     |              |