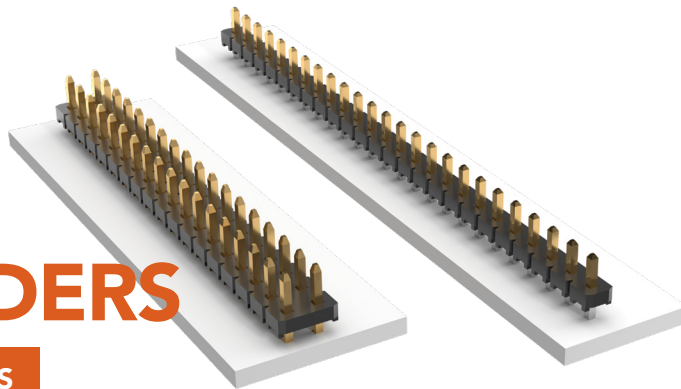


# FLEX STACK

## 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  $\mu$ " (1.27  $\mu$ m) Ni

##### Operating Temp Range:

-55  $^{\circ}$ C to +105  $^{\circ}$ C with Tin

-55  $^{\circ}$ C to +125  $^{\circ}$ 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<br>LEAD<br>STYLE<br>from<br>chart | -F<br>= Gold flash<br>on post,<br>Matte Tin<br>on tail<br><br>-G<br>= 10 μ"<br>(0.25 μm)<br>Gold on post,<br>Gold flash<br>on tail<br><br>-T<br>= Matte Tin | -S<br>= Single<br>Row<br><br>-D<br>= Double<br>Row | -RA<br>= Right-angle<br>(-01 Lead Style only)<br><br>-"XX"<br>= Polarized Position<br>Specify position for<br>omitted pin. |               |   |   |     |     |                |     |                |                |     |                |  |
|                                                                                                                                                                                                                                                         |                |                                                              |                                           |                                                                                                                                                             |                                                    |                                                                                                                            |               |   |   |     |     |                |     |                |                |     |                |  |
| <table><tr><th>LEAD<br/>STYLE</th><th>A</th><th>B</th></tr><tr><td>-01</td><td>N/A</td><td>(5.84)<br/>.230</td></tr><tr><td>-05</td><td>(4.32)<br/>.170</td><td>(2.67)<br/>.105</td></tr><tr><td>-06</td><td>(3.43)<br/>.135</td><td></td></tr></table> |                |                                                              |                                           |                                                                                                                                                             |                                                    |                                                                                                                            | LEAD<br>STYLE | A | B | -01 | N/A | (5.84)<br>.230 | -05 | (4.32)<br>.170 | (2.67)<br>.105 | -06 | (3.43)<br>.135 |  |
| LEAD<br>STYLE                                                                                                                                                                                                                                           | A              | B                                                            |                                           |                                                                                                                                                             |                                                    |                                                                                                                            |               |   |   |     |     |                |     |                |                |     |                |  |
| -01                                                                                                                                                                                                                                                     | N/A            | (5.84)<br>.230                                               |                                           |                                                                                                                                                             |                                                    |                                                                                                                            |               |   |   |     |     |                |     |                |                |     |                |  |
| -05                                                                                                                                                                                                                                                     | (4.32)<br>.170 | (2.67)<br>.105                                               |                                           |                                                                                                                                                             |                                                    |                                                                                                                            |               |   |   |     |     |                |     |                |                |     |                |  |
| -06                                                                                                                                                                                                                                                     | (3.43)<br>.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<br>LEAD<br>STYLE<br>from<br>chart | -F<br>= Gold flash<br>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<br>Row<br><br>-D<br>= Double<br>Row | -"XXX"<br>= Post Height<br>Dimension<br>(In inches) |               |     |     |             |     |             |     |              |     |              |     |              |     |              |     |              |     |              |     |              |
|               |              |                                                              |                                           | <table><tr><th>LEAD<br/>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<br>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<br>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 |                                                              |                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                    |                                                     |               |     |     |             |     |             |     |              |     |              |     |              |     |              |     |              |     |              |     |              |