

# FLEX STACK

(2.54 mm) .100"

TLW-118-06-T-D

MTLW-130-05-G-S-110

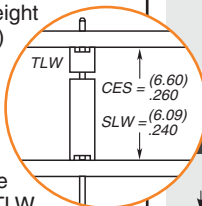
TLW, MTLW SERIES

# LOW-PROFILE .025" SQ POST HEADERS

**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.



| TLW                               | 1 | NO. PINS PER ROW | LEAD STYLE                           | PLATING OPTION                                                  | ROW OPTION                | OTHER OPTION                                                              |
|-----------------------------------|---|------------------|--------------------------------------|-----------------------------------------------------------------|---------------------------|---------------------------------------------------------------------------|
| <b>01 thru 40</b><br>= Single Row |   |                  | <b>Specify LEAD STYLE from chart</b> | <b>-F</b><br>= Gold flash on post, Matte Tin on tail            | <b>-S</b><br>= Single Row | <b>-RA</b><br>= Right-angle<br>(-01 Lead Style only)                      |
| <b>01 thru 36</b><br>= Double Row |   |                  |                                      | <b>-G</b><br>= 10 μ" (0.25 μm) Gold on post, Gold flash on tail | <b>-D</b><br>= Double Row | <b>-“XX”</b><br>= Polarized Position<br>Specify position for omitted pin. |
|                                   |   |                  |                                      | <b>-T</b><br>= Matte Tin                                        | <b>ALSO AVAILABLE</b>     |                                                                           |

**ALSO AVAILABLE**  
(MOQ Required)

• Other platings

## SPECIFICATIONS

For complete specifications see [www.samtec.com?TLW](http://www.samtec.com?TLW) or [www.samtec.com?MTLW](http://www.samtec.com?MTLW)

**Insulator Material:**  
Black Liquid Crystal Polymer  
**Terminal Material:**  
Phosphor Bronze  
**Plating:**  
Au or Sn over

50 μ" (1.27 μm) Ni  
**Current Rating (TLW/SLW):**  
5.2 A per pin  
(2 pins powered)

**Operating Temp Range:**  
-55 °C to +105 °C with Tin  
-55 °C to +125 °C with Gold  
**RoHS Compliant:**  
Yes

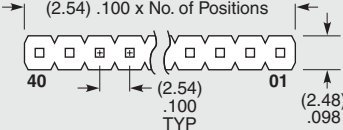
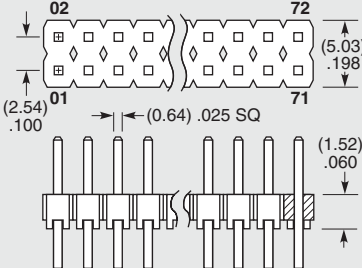
**Lead-Free Solderable:**  
Yes

## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



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

| MTLW                                                                                | 1            | NO. PINS PER ROW | LEAD STYLE                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | PLATING OPTION                                           | ROW OPTION         | POST HEIGHT                                   |             |     |             |     |              |     |              |     |              |     |              |     |              |     |              |     |              |  |                                               |
|-------------------------------------------------------------------------------------|--------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|--------------------|-----------------------------------------------|-------------|-----|-------------|-----|--------------|-----|--------------|-----|--------------|-----|--------------|-----|--------------|-----|--------------|-----|--------------|--|-----------------------------------------------|
| 01 thru 40<br>= Single Row                                                          |              |                  | Specify LEAD STYLE from chart                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                          | -S<br>= Single Row | -“XXX”<br>= Post Height Dimension (In inches) |             |     |             |     |              |     |              |     |              |     |              |     |              |     |              |     |              |  |                                               |
|  |              |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                          |                    |                                               |             |     |             |     |              |     |              |     |              |     |              |     |              |     |              |     |              |  |                                               |
| 01 thru 36<br>= Double Row                                                          |              |                  | <table><thead><tr><th>LEAD STYLE</th><th>OAL</th></tr></thead><tbody><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></tbody></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 |  | -F<br>= Gold flash on post, Matte Tin on tail |
| 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 |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                          |                    |                                               |             |     |             |     |              |     |              |     |              |     |              |     |              |     |              |     |              |  |                                               |
|  |              |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -L<br>= 10 μ" (0.25 μm) Gold on post, Matte Tin on tail  |                    |                                               |             |     |             |     |              |     |              |     |              |     |              |     |              |     |              |     |              |  |                                               |
|                                                                                     |              |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -G<br>= 10 μ" (0.25 μm) Gold on post, Gold flash on tail |                    |                                               |             |     |             |     |              |     |              |     |              |     |              |     |              |     |              |     |              |  |                                               |
|                                                                                     |              |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -T<br>= Matte Tin                                        |                    |                                               |             |     |             |     |              |     |              |     |              |     |              |     |              |     |              |     |              |  |                                               |

Due to technical progress, all designs, specifications and components are subject to change without notice.

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)

All parts within this catalog are built to Samtec's specifications.  
Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.

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