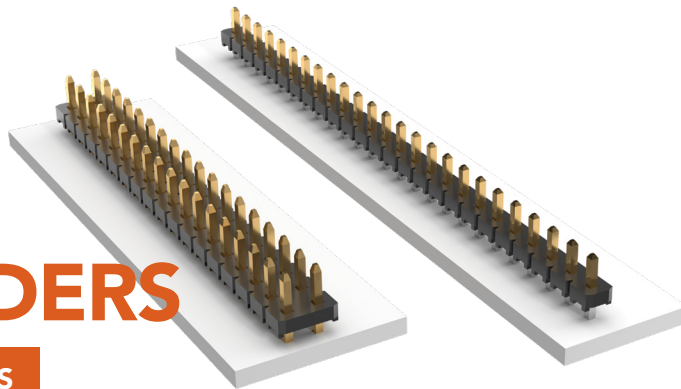


**FLEX  
STACK**

# 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  
= Single Row

01 thru 36  
= Double Row

Specify  
LEAD  
STYLE  
from  
chart

-F  
= Gold flash  
on post,  
Matte Tin  
on tail

-G  
= 10 μ" (0.25 μm)  
Gold on post,  
Gold flash  
on tail

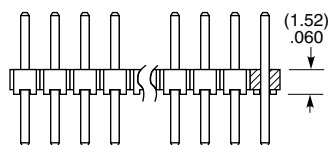
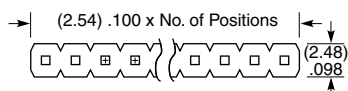
-T  
= Matte Tin

-S  
= Single  
Row

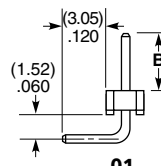
-D  
= Double  
Row

-RA  
= Right-angle  
(-01 Lead Style only)

- "XX"  
= Polarized Position  
Specify position for  
omitted pin.



-05 & -06



| 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  
= Single Row

01 thru 36  
= Double Row

Specify  
LEAD  
STYLE  
from  
chart

-F  
= Gold flash  
on post,  
Matte Tin on tail

-L  
= 10 μ" (0.25 μm)  
Gold on post,  
Matte Tin on tail

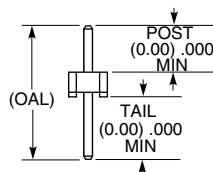
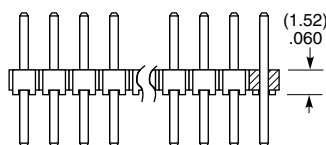
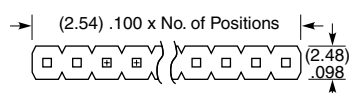
-G  
= 10 μ" (0.25 μm)  
Gold on post,  
Gold flash on tail

-T  
= Matte Tin

- "XXX"  
= Post Height  
Dimension  
(In inches)

-S  
= Single  
Row

-D  
= Double  
Row



| 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 |