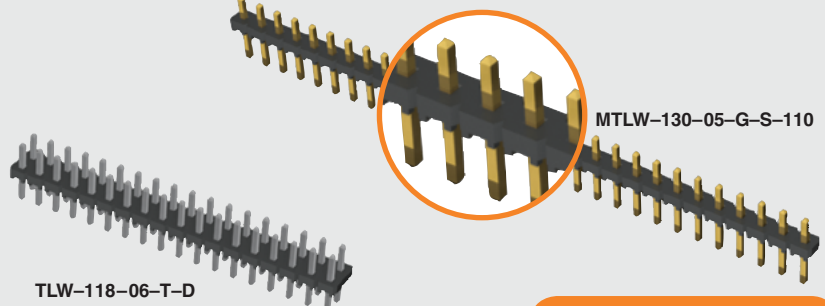


# FLEX STACK



MTLW-130-05-G-S-110

TLW-118-06-T-D

## TLW, MTLW SERIES

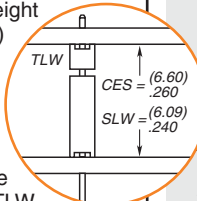
(2.54 mm) .100"

# 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**

**01 thru 40**  
= Single Row

→ (2.54) .100 x No. of Positions | ←

40 (2.54) 01 (2.48) .098

.100 TYP

**01 thru 36**  
= Double Row

02 72 (5.03) .198

(2.54) .100 01 71

**LEAD STYLE**

Specify LEAD STYLE from chart

(1.52) .060 C (3.05) .120 C (0.64) .025 A (1.52) .060

—05 & —06 —01

LEAD STYLE	A	C
—01	N/A	(5.84) .230
—05	(4.32) .170	(2.67) .105
—06	(3.43) .135	(2.67) .105

**PLATING OPTION**

—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

**ROW OPTION**

—S = Single Row

—D = Double Row

**OTHER OPTION**

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

—“XX” = Polarized Position

Specify position for omitted pin.

**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**  
= Single Row

→ (2.54) .100 x No. of Positions | ←

40 (2.54) 01 (2.48) .098

.100 TYP

**01 thru 36**  
= Double Row

02 72 (5.03) .198

(2.54) .100 01 71

(0.64) .025 SQ

(1.52) .060

**LEAD STYLE**

Specify LEAD STYLE from chart

POST (0.00) .000 MIN

(OAL)

TAIL (0.00) .000 MIN

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

**PLATING OPTION**

—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

**ROW OPTION**

—S = Single Row

—D = Double Row

**POST HEIGHT**

—“XXX” = Post Height Dimension (In inches)

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.