



(2,00 mm) .0787"

TW-20-03-L-Q-400-085

TW-08-09-F-T-165-100

TW-16-06-T-D-500-100

TW SERIES

# THROUGH-HOLE BOARD STACKERS

## SPECIFICATIONS

For complete specifications see [www.samtec.com?TW-TH](http://www.samtec.com?TW-TH)

**Insulator Material:** Black Liquid Crystal Polymer

**Terminal Material:** Phosphor Bronze

**Plating:** Sn or Au over

50 $\mu$ " (1,27  $\mu$ m) Ni

**Current Rating:** 5.2 A per pin

(1 pin powered per row)

**Operating Temp Range:** -55°C to +105°C with Tin;

-55°C to +125°C with Gold

**RoHS Compliant:** Yes

**Lead-Free Solderable:** Yes

Yes

## RECOGNITIONS

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

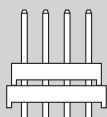


**Note:** For added mechanical stability, Samtec recommends mechanical board spacers be used in applications with gold or selective gold plated connectors. Contact [ipg@samtec.com](mailto:ipg@samtec.com) for more information.

**Note:** This Series is non-standard, non-returnable.

**Mates with:**  
CLT, SQT, SQW, ESQT,  
TLE, SMM, MMS, TCSD

## OTHER SOLUTIONS

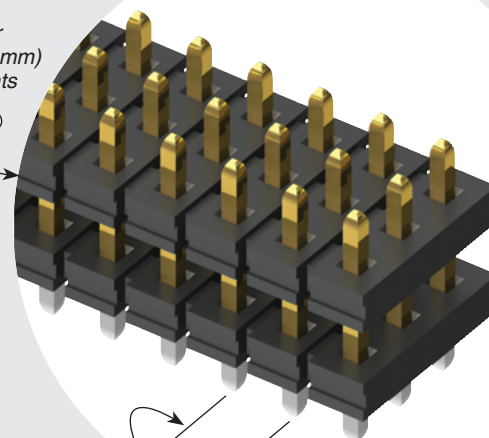


Paste In Hole (PIH) processing.  
Contact Samtec ASP Group.

## ALSO AVAILABLE (MOQ Required)

- Other platings  
Contact Samtec.

Specify stacker height in (0,13 mm) .005" increments



(2,00 mm) .0787 pitch

Choice of one through six rows

| TW         | NO. PINS PER ROW | LEAD STYLE                           | PLATING OPTION                                                                                                                 | ROW OPTION                                                                                              | STACKER HEIGHT                                                                                     | TAIL SPEC                                                                                                                                                          |
|------------|------------------|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 02 thru 50 |                  | Specify LEAD STYLE from chart below. | -F = Gold flash on post, Matte Tin on tail<br>-L = 10 $\mu$ " (0,25 $\mu$ m) Gold on post, Matte Tin on tail<br>-T = Matte Tin | -S = Single Row<br>-D = Double Row<br>-T = Triple Row<br>-Q = Four Row<br>-5 = Five Row<br>-6 = Six Row | -"XXX"<br>= Stacker Height in inches (0,13 mm) .005" increments<br>Example: -250 = (6,35 mm) .250" | -"XXX"<br>= Tail Length in inches (0,13 mm) .005" increments<br>Example: -150 = (3,81 mm) .150"<br>-"XXX"<br>= Polarized Position (Specify position to be removed) |

**2 mm Shunt**  
See 2SN Series.

**Surface Mount**  
See previous page.

**Low Profile**  
See TMM Series.

**Right Angle**  
See TMM Series.

**Shrouded Double Row**  
See ZLTMM Series.

04  
(2,00) .0787 TYP  
01 -S, -D\*, -Q  
300  
No. of rows x (2,00) .0787  
295

(0,51) .020 SQ  
POST  
TAIL  
(0,00) .000 MIN  
(2,00) .0787  
STACKER HEIGHT See Chart  
OAL (1,27) .050 MIN  
-S, -D\*, -Q  
-T, -5, -6

| LEAD STYLE | OAL           |
|------------|---------------|
| -01        | (8,20) .323   |
| -02        | (9,60) .377   |
| -03        | (13,60) .535  |
| -04        | (14,10) .555  |
| -05        | (15,10) .594  |
| -06        | (17,10) .673  |
| -07        | (19,10) .751  |
| -08        | (21,10) .830  |
| -09        | (11,60) .456  |
| -10        | (15,60) .614  |
| -11        | (10,08) .397  |
| -12        | (28,19) 1.110 |

| ROW OPTION    | STACKER HEIGHT  |
|---------------|-----------------|
| -S, -D*, & -Q | (3,05) .120 MIN |
| -T, -5, -6    | (4,06) .160 MIN |

\* Style -08 & -12 = S & D only

\* -D with stacker height greater than (4,06 mm) .160" will not have standoffs.