



(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 μ" (1.27 μm) 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

## RECOGNITIONS

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



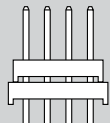
**Note:** For added mechanical stability, Samtec recommends mechanical board spacers be used in applications with gold or selective gold plated connectors. Contact [ipg@samtec.com](mailto:ipg@samtec.com) for more information.

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

**Board Mates:** CLT, SQT, SQW, ESQT, TLE, SMM, MMS

**Cable Mates:** TCSD

## OTHER SOLUTIONS

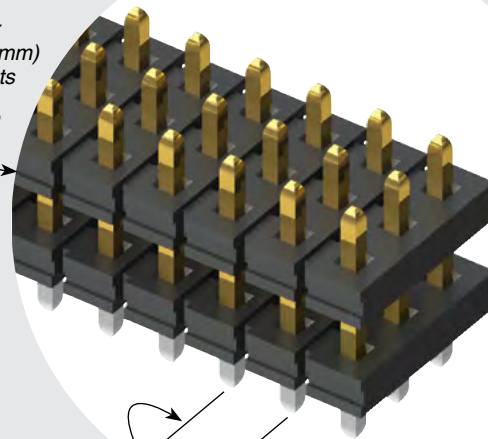


Paste In Hole (PIH) processing. Contact Samtec ASP Group.

## 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 -L = 10 μ" (0.25 μm) Gold on post, Matte Tin on tail -T = Matte Tin	-S = Single Row -D = Double Row -T = Triple Row -Q = Four Row -5 = Five Row -6 = Six Row	-"XXX" = Stacker Height in inches (0.13 mm) .005" increments Example: -250 = (6.35 mm) .250"	-"XXX" = Tail Length in inches (0.13 mm) .005" increments Example: -150 = (3.81 mm) .150" -"XXX" = Polarized Position (Specify position to be removed)

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

## Other Solutions

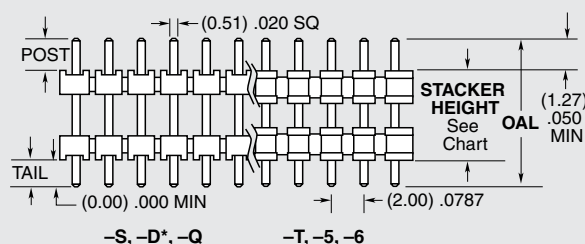
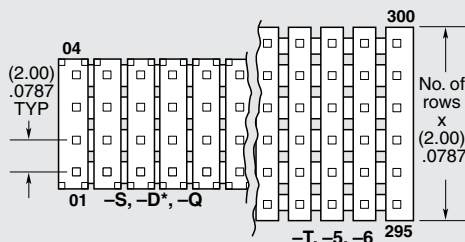
**2 mm Shunt**  
See 2SN Series.

**Surface Mount**  
See previous page.

**Low Profile**  
See TMM Series.

**Right-angle**  
See TMM Series.

**Shrouded Double Row**  
See ZLTMM Series.



\*-D with stacker height greater than (4.06 mm) .160" will not have standoffs.