



(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

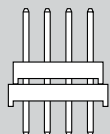
## Board Mates:

CLT, SQT, SQW, ESQT,  
TLE, SMM, MMS

## Cable Mates:

TCSD

## OTHER SOLUTIONS



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

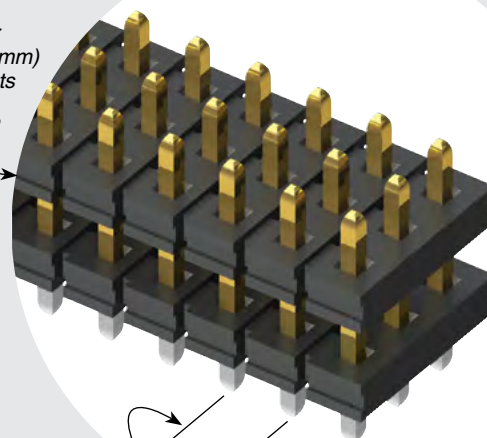
## ALSO AVAILABLE (MOQ Required)

- Other platings  
Contact Samtec.

Specify stacker  
height in (0.13 mm)  
.005" increments

(2.00 mm)  
.0787 pitch

Choice of  
one through  
six rows



## 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.

## Other Solutions

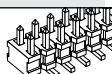
### 2 mm Shunt

See 2SN Series.



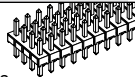
### Surface Mount

See previous page.



### Low Profile

See TMM Series.



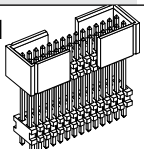
### Right-angle

See TMM Series.



### Shrouded Double Row

See ZLTMM Series.



| 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) |

04  
(2.00) .0787 TYP  
01 -S, -D\*, -Q  
300  
No. of rows x (2.00) .0787  
295  
-T, -5, -6

(0.51) .020 SQ  
POST  
TAIL  
(0.00) .000 MIN  
(2.00) .0787  
(1.27) .050 MIN  
OAL  
STACKER HEIGHT See Chart

| 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.