



(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

50µ" (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

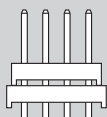
### Lead-Free Solderable:

Yes

## Mates with:

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

## OTHER SOLUTIONS

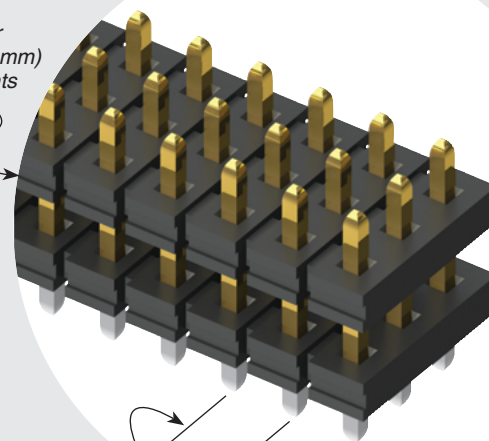


Paste In Hole (PIH) processing.  
Contact Samtec ASP Group.

## 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

## 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

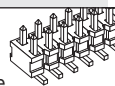
### 2 mm Shunt

See 2SN Series.



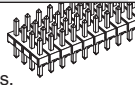
### Surface Mount

See previous page.



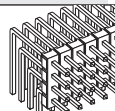
### Low Profile

See TMM Series.



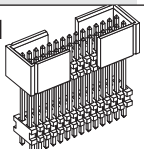
### Right Angle

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 = 10µ" (0,25 µm) 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) |

| 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 |

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

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

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