



(2.00 mm) .0787"

TW-20-07-T-D-550-SM

TW-25-02-F-S-260-SM

TW-10-04-L-D-300-SM

TW SERIES

# SMT BOARD STACKERS

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?TW-SM](http://www.samtec.com?TW-SM)

### Insulator Material:

Black Liquid Crystal Polymer

### Terminal Material:

Phosphor Bronze

### Plating:

Sn or Au over

50  $\mu$ " (1.27  $\mu$ m) Ni

### Current Rating:

4.9 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

## PROCESSING

### Lead-Free Solderable:

Yes

### SMT Lead Coplanarity:

(0.15 mm) .006" max

## RECOGNITIONS

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



FILE NO. E111594

FILE NO. 090871\_0\_000

## ALSO AVAILABLE (MOQ Required)

- Other platings
  - End shrouds with or without guide post
- Contact Samtec.

### Board Mates:

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

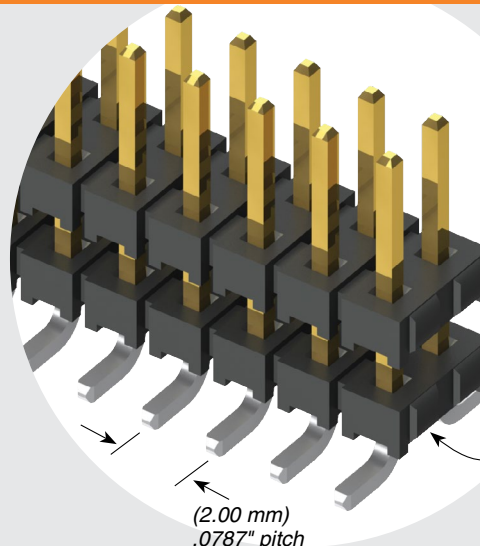
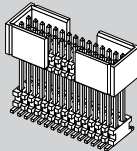
### Cable Mates:

TCSD

## OTHER SOLUTIONS

- Stacker height ranges and standard part numbers on double row.

Contact Samtec



Available with optional pick & place pads

Available with optional alignment pins

(2.00 mm) .0787" pitch

| TW         | NO. PINS PER ROW                     | LEAD STYLE                                                                                                                                                        | PLATING OPTION                                | ROW OPTION                                                                                                 | STACKER HEIGHT                                                                                                                                                                                                                                                                                                                                                   | SM | OTHER OPTIONS |
|------------|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|---------------|
| 02 thru 36 | Specify LEAD STYLE from chart below. | <p>—F = Gold flash on post, Matte Tin on tail</p> <p>—L = 10 <math>\mu</math>" (0.25 <math>\mu</math>m) Gold on post, Matte Tin on tail</p> <p>—T = Matte Tin</p> | <p>—S = Single Row</p> <p>—D = Double Row</p> | <p>—“XXX” = Stacker Height in inches (0.13 mm) .005" increments</p> <p>Example: —250 = (6.35 mm) .250"</p> | <p>—“XXX” = Polarized Position</p> <p>—A = Alignment Pin (Metal or plastic at Samtec discretion) (4.83 mm) .190" min. board space (—D only)</p> <p>—P = Pick &amp; Place Pad (1.91 mm) .075" min. post height (04-36 only)</p> <p>—TR = Tape &amp; Reel Packaging (—07 lead style not available) (—06 lead style with —P option not available as a standard)</p> |    |               |

No. of positions x (2.00) .0787

36 01

(2.00) .0787

(4.00) .1574

(1.27) .050 TYP

(0.51) .020 SQ

(0.00) .000 MIN

STACKER HEIGHT OAL (4.32) .170 MIN

(1.50) .059

(2.00) .0787

| LEAD STYLE | OAL          |
|------------|--------------|
| —02        | (7.85) .309  |
| —03        | (11.86) .467 |
| —04        | (12.37) .487 |
| —06        | (15.37) .605 |
| —07        | (17.35) .683 |
| —09        | (9.86) .388  |

| ROW OPTION | A           |
|------------|-------------|
| —S         | (5.08) .200 |
| —D         | (6.35) .250 |

(5.33) .210

—P OPTION

(1.27) .050

(1.09) .043 DIA

—A OPTION

**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.