

# FLEX STACK

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

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

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

TW SERIES

(2.00 mm) .0787"

# 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 μm (1.27 μm) Ni

**Current Rating:** 4.9 A per pin (2 pins powered)

**Operating Temp Range:** -55 °C to +105 °C with Tin; -55 °C to +125 °C with Gold

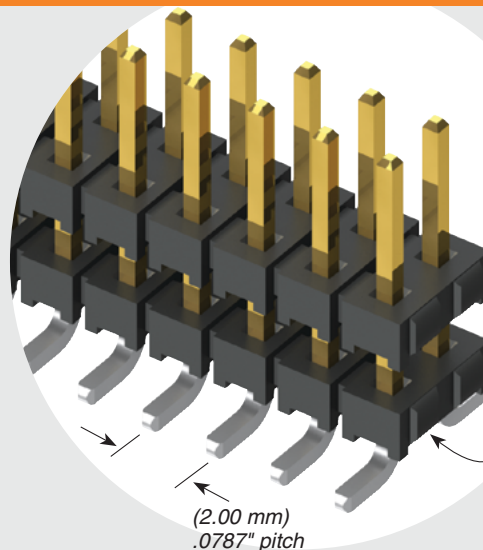
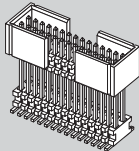
**RoHS Compliant:** Yes

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

**Cable Mates:** TCSD

## OTHER SOLUTIONS

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



Available with optional pick & place pads

Available with optional alignment pins

(2.00 mm) .0787" pitch

## PROCESSING

**Lead-Free Solderable:** Yes

**SMT Lead Coplanarity:** (0.15 mm) .006" max\*  
\*(.004" stencil solution may be available; contact IPG@samtec.com)

## RECOGNITIONS

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



FILE NO. E111394

## ALSO AVAILABLE (MOQ Required)

- Other Platings
- End shrouds with or without guide post

**Notes:** 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.

This Series is non-standard, non-returnable.

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.	-F = Gold flash on post, Matte Tin on tail -L = 10 μm (0.25 μm) Gold on post, Matte Tin on tail -T = Matte Tin	-S = Single Row -D = Double Row	-"XXX" = Stacker Height in inches (0.13 mm) .005" increments Example: -250 = (6.35 mm) .250"		-"XXX" = Polarized Position -A = Alignment Pin (Metal or plastic at Samtec discretion) (4.83 mm) .190" min. board space (-D only) -P = Pick & Place Pad (1.91 mm) .075" min. post height (04-36 only) -TR = Tape & Reel Packaging (-07 lead style not available) (-06 lead style with -P option not available as a standard)

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

Due to technical progress, all designs, specifications and components are subject to change without notice.

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)

All parts within this catalog are built to Samtec's specifications.

Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.