

(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

Insulator Material:

Black Liquid Crystal Polymer

Terminal Material:

Phosphor Bronze

Plating:

Sn or Au over

50 μ " (1.27 μ m) 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:

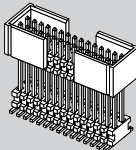
CLT, SQT, SQW, ESQT,
TLE, SMM, MMS

Cable Mates:

TCSD

OTHER SOLUTIONS

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



HIGH-SPEED CHANNEL PERFORMANCE

Rating based on Samtec reference channel.
For full SI performance data visit Samtec.com or contact SIG@samtec.com

CLT or MMS	SQT
8	4
G b p s	G b p s

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



FILE NO. E111594

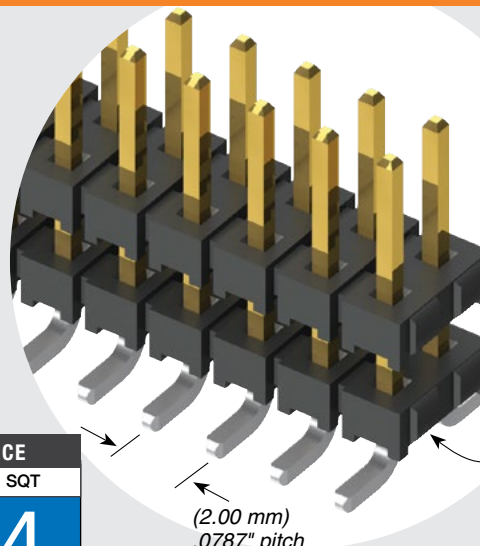
ALSO AVAILABLE (MOQ Required)

- 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 for more information.

This Series is non-standard, non-returnable.



Available with optional pick & place pads

Available with optional alignment pins

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 μ " (0.25 μ m) 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)

No. of positions x (2.00) .0787

(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	ROW OPTION	A
-02	(7.85) .309	-S	(5.08) .200
-03	(11.86) .467	-D	(6.35) .250
-04	(12.37) .487		
-06	(15.37) .605		
-07	(17.35) .683		
-09	(9.86) .388		

(5.33) .210

A

-P OPTION

(1.09) .043 DIA

(1.27) .050

-A OPTION

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

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.