

(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

Insulator Material:

Black Liquid Crystal Polymer

Terminal Material:

Phosphor Bronze

Plating:

Sn or Au over
50 μ " (1.27 μ m) Ni

Current Rating:

5.2 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

Lead-Free Solderable:

Yes

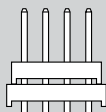
Board Mates:

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

Cable Mates:

TCSD

OTHER SOLUTIONS



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

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

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

(2.00 mm)
.0787 pitch

Choice of
one through
six rows

ALSO AVAILABLE (MOQ Required)

- Other platings



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.

Other Solutions

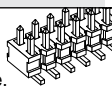
2 mm Shunt

See 2SN Series.



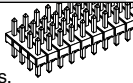
Surface Mount

See previous page.



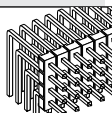
Low Profile

See TMM Series.



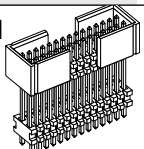
Right-angle

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 —L = 10 μ" (0.25 μm) Gold on post, Matte Tin on tail —T = Matte Tin	—S = Single Row —D = Double Row —T = Triple Row —Q = Four Row —5 = Five Row —6 = Six Row	—"XXX" = Stacker Height in inches (0.13 mm) .005" increments Example: -250 = (6.35 mm) .250"	—"XXX" = Tail Length in inches (0.13 mm) .005" increments Example: -150 = (3.81 mm) .150" —"XXX" = 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.

Technical drawing details:
 - Pin pitch: (2.00) .0787 TYP
 - Lead length: (0.51) .020 SQ
 - Stack height: (1.27) .050 MIN
 - OAL: (1.27) .050 MIN
 - Tail length: (0.00) .000 MIN
 - Lead styles: —S, —D*, —Q and —T, —5, —6

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.