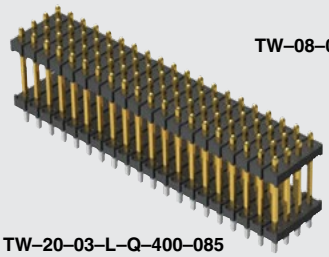
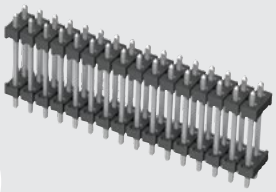
samtec



TW–20–03–L–Q–400–085

TW–08–09–F–T–165–100



TW–16–06–T–D–500–100

(2.00 mm) .0787"

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 µm) 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

RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality

FILE NO. E111594

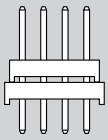
Notes:
For added mechanical stability, Samtec recommends mechanical board spacers be used in applications with gold or selective gold plated connectors. Contact ipg@samtec.com for more information.

This Series is non-standard, non-returnable.

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

Cable Mates:
TCSD

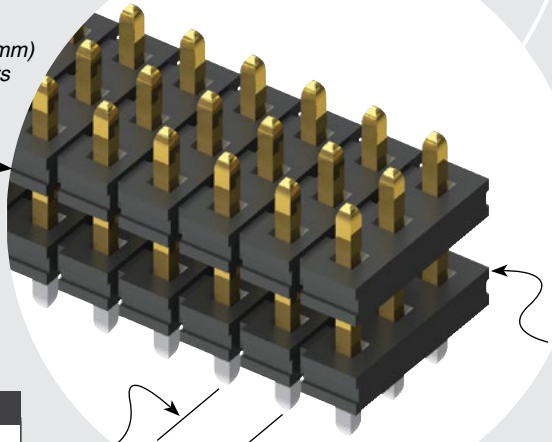
OTHER SOLUTIONS



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

HIGH-SPEED CHANNEL PERFORMANCE

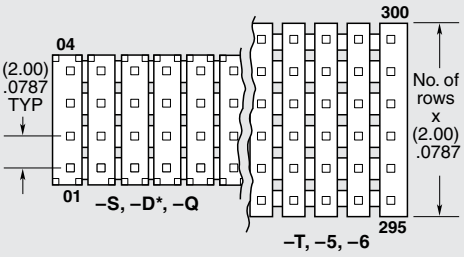
Rating based on Samtec reference channel. For full SI performance data visit Samtec.com or contact SIG@samtec.com	CLT or MMS	SQT
	8 Gbps	4 Gbps

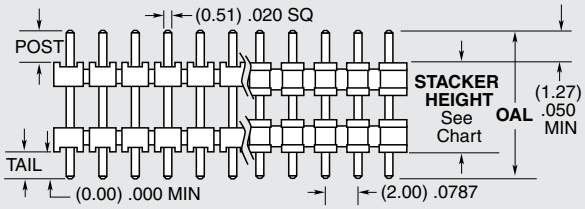


ALSO AVAILABLE (MOQ Required)

- Other platings

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)





–S, –D*, –Q –T, –5, –6

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

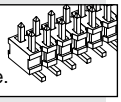
ROW OPTION	STACKER HEIGHT
–S, –D*, & –Q	(3.05) .120 MIN
–T, –5, –6	(4.06) .160 MIN

*–D with stacker height greater than (4.06 mm) .160" will not have standoffs.

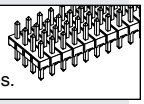
Other Solutions

2 mm Shunt
See 2SN Series.

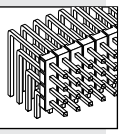
Surface Mount
See previous page.



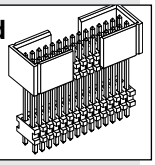
Low Profile
See TMM Series.



Right-angle
See TMM Series.



Shrouded Double Row
See ZLTMM Series.



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.