

# SMT & THROUGH-HOLE BOARD STACKERS

(2.00 mm) .0787" PITCH • TW SERIES

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

## TW

### Board Mates:

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

### Cable Mates:

TCSD

## SPECIFICATIONS

### Insulator Material:

Black Liquid Crystal Polymer  
Terminal Material:  
Phosphor Bronze

### Plating:

Sn or Au over  
50  $\mu$ " (1.27  $\mu$ m) Ni

### Operating Temp Range:

-55 °C to +105 °C with Tin;  
-55 °C to +125 °C with Gold

### Current Rating:

3.9 A per pin  
(2 pins powered)

### Voltage Rating:

350 VAC/495 VDC

## PROCESSING

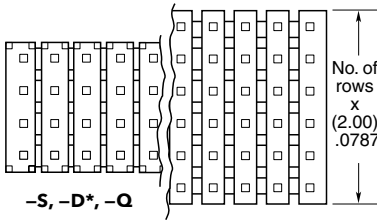
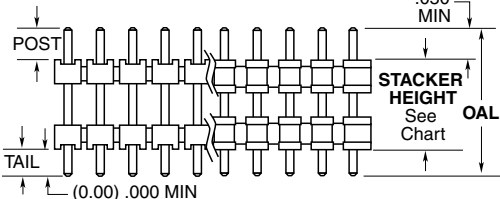
### Lead-Free Solderable:

Yes

### SMT Lead Coplanarity:

(0.15 mm) .006" max\*  
\*(.004" stencil solution  
may be available; contact  
ipg@samtec.com)

TW	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	ROW OPTION	STACKER HEIGHT	SM	OTHER OPTION																				
	02 thru 36	Specify LEAD STYLE from chart	-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	- "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)																				
<p>No. of positions x (2.00) .0787 (2.00) .0787</p>		<p>(1.27) .050 (0.00) .000 MIN (4.00) .1574</p>		<table><tr><th>ROW OPTION</th><th>A</th></tr><tr><td>-S</td><td>(5.08) .200</td></tr><tr><td>-D</td><td>(6.35) .250</td></tr></table>		ROW OPTION	A	-S	(5.08) .200	-D	(6.35) .250	<table><tr><th>LEAD STYLE</th><th>OAL</th></tr><tr><td>-02</td><td>(7.85) .309</td></tr><tr><td>-03</td><td>(11.86) .467</td></tr><tr><td>-04</td><td>(12.37) .487</td></tr><tr><td>-06</td><td>(15.37) .605</td></tr><tr><td>-07</td><td>(17.35) .683</td></tr><tr><td>-09</td><td>(9.86) .388</td></tr></table>		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
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<p>(1.50) .059 (0.00) .000 MIN (4.32) .170 MIN STACKER HEIGHT OAL</p>		<p>-A OPTION -P OPTION</p>																									

TW	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	ROW OPTION	STACKER HEIGHT	TAIL SPEC																										
	02 thru 50	Specify LEAD STYLE from chart	-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)																										
		<table><tr><th>LEAD STYLE</th><th>OAL</th></tr><tr><td>-01</td><td>(8.20) .323</td></tr><tr><td>-02</td><td>(9.60) .377</td></tr><tr><td>-03</td><td>(13.60) .535</td></tr><tr><td>-04</td><td>(14.10) .555</td></tr><tr><td>-05</td><td>(15.10) .594</td></tr><tr><td>-06</td><td>(17.10) .673</td></tr><tr><td>-07</td><td>(19.10) .751</td></tr><tr><td>-08*</td><td>(21.10) .830</td></tr><tr><td>-09</td><td>(11.60) .456</td></tr><tr><td>-10</td><td>(15.60) .614</td></tr><tr><td>-11</td><td>(10.08) .397</td></tr><tr><td>-12*</td><td>(28.19) 1.110</td></tr></table>					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
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## 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.

samtec.com?TW-SM or samtec.com?TW-TH

F-226

Unless otherwise approved in writing by Samtec, all parts and components are designed and built according to Samtec's specifications which are subject to change without notice.