

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 μ " (1.27 μ 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

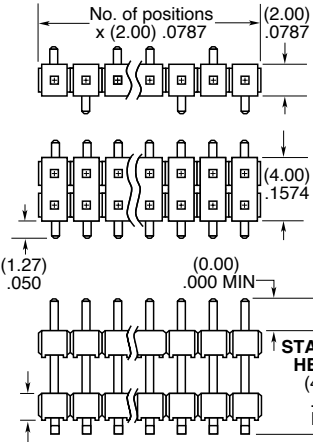
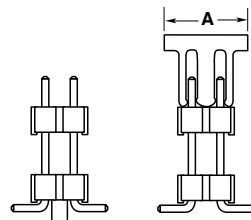
PROCESSING

Lead-Free Solderable:

Yes

SMT Lead Coplanarity:

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

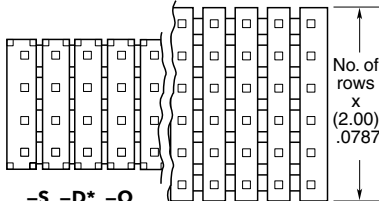
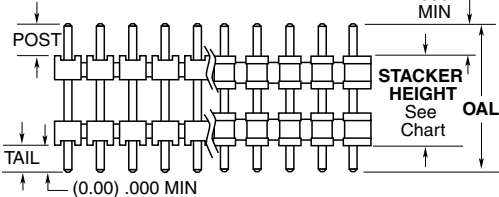
TW	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	ROW OPTION	STACKER HEIGHT	SM	OTHER OPTION																				
	02 thru 36	Specify LEAD STYLE from chart	-F = Gold flash on post, Matte Tin on tail -L = 10 μ" (0.25 μm) Gold on post, Matte Tin on tail -T = Matte Tin	-S = Single Row -D = Double Row	- "XXX" = 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)																				
		<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	<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		
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																										
				-A OPTION		-P OPTION																					
						Specify "T" for Tape & Reel Specify "F" for Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks) (-07 lead style N/A) (-06 lead style with -P option N/A as standard)																					

ALSO AVAILABLE

Contact Samtec

Other Platings

End shrouds with or without guide post

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	<table><tr><th>ROW OPTION</th><th>STACKER HEIGHT</th></tr><tr><td>-S, -D*, -Q</td><td>(3.05) .120 MIN</td></tr><tr><td>-T, -5, -6</td><td>(4.06) .160 MIN</td></tr></table>		ROW OPTION	STACKER HEIGHT	-S, -D*, -Q	(3.05) .120 MIN	-T, -5, -6	(4.06) .160 MIN
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																																					
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.		*Style -08 & -12 = S & D only																																	

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.