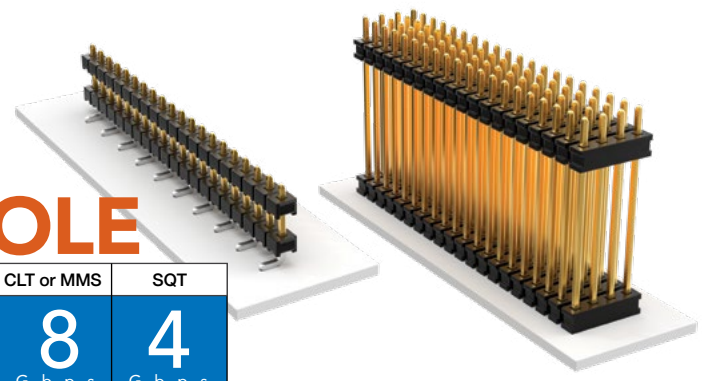


SMT & THROUGH-HOLE BOARD STACKERS

(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:
 TCS D

SPECIFICATIONS

Insulator Material:
 Black Liquid Crystal Polymer
Terminal Material:
 Phosphor Bronze
Plating:
 Sn or Au over
 50 μ" (1.27 μm) Ni
Current Rating:
 TW-SM = 4.9 A per pin
 (2 pins powered)
 TW-TH = 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

PROCESSING

Lead-Free Solderable:
 Yes
SMT Lead Coplanarity:
 (0.15 mm) .006" max*
 *(.004" stencil solution
 may be available; contact
 ipg@samtec.com)

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.

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) - "X"R = 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)																				
				<table border="1"> <thead> <tr> <th>LEAD STYLE</th> <th>OAL</th> </tr> </thead> <tbody> <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> </tbody> </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 border="1"> <thead> <tr> <th>ROW OPTION</th> <th>A</th> </tr> </thead> <tbody> <tr><td>-S</td><td>(5.08) .200</td></tr> <tr><td>-D</td><td>(6.35) .250</td></tr> </tbody> </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																										

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 border="1"> <thead> <tr> <th>LEAD STYLE</th> <th>OAL</th> </tr> </thead> <tbody> <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> </tbody> </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
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 border="1"> <thead> <tr> <th>ROW OPTION</th> <th>STACKER HEIGHT</th> </tr> </thead> <tbody> <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> </tbody> </table>		ROW OPTION	STACKER HEIGHT	-S, -D*, -Q	(3.05) .120 MIN	-T, -5, -6	(4.06) .160 MIN																					
ROW OPTION	STACKER HEIGHT																															
-S, -D*, -Q	(3.05) .120 MIN																															
-T, -5, -6	(4.06) .160 MIN																															
				<p>*-D with stacker height greater than (4.06 mm) .160" will not have standoffs. *Style -08 & -12 = S & D only</p>																												