

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

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

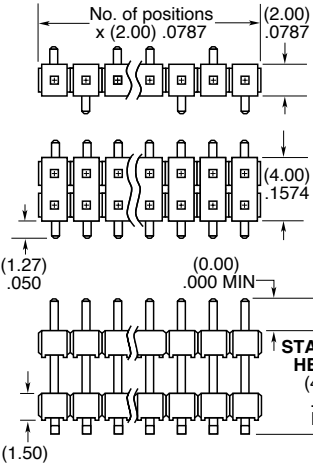
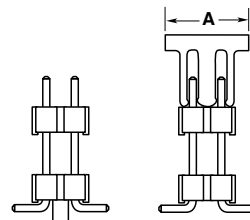
PROCESSING

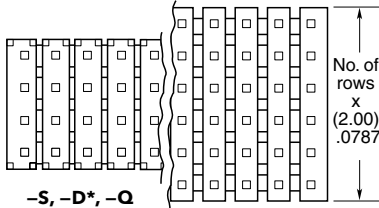
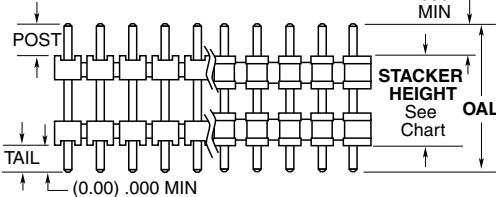
Lead-Free Solderable:

Yes

SMT Lead Coplanarity:

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

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><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		
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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 μm (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										
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-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.