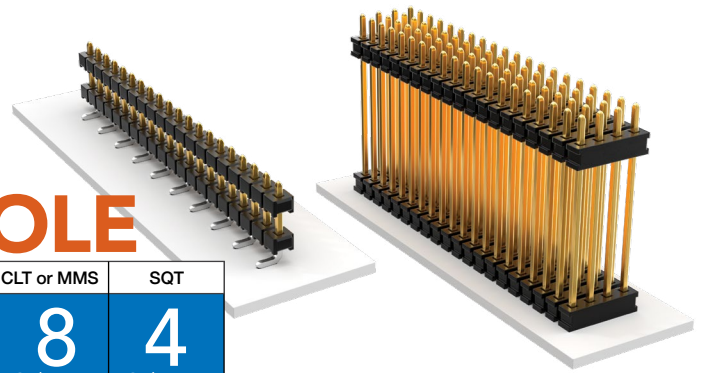


SMT & THROUGH-HOLE BOARD STACKERS

(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 μ m) 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)														
		<p>No. of positions x (2.00) .0787</p> <p>(2.00) .0787</p> <p>(4.00) .1574</p> <p>(0.00) .000 MIN</p> <p>STACKER HEIGHT OAL</p> <p>(1.50) .059</p> <p>(4.32) .170 MIN</p>		<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	<p>-A OPTION</p> <p>-P OPTION</p>	
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		<p>No. of rows x (2.00) .0787</p> <p>(1.27) .050 MIN</p> <p>STACKER HEIGHT See Chart</p> <p>OAL</p> <p>(0.00) .000 MIN</p>		<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	<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> <p>*-D with stacker height greater than (4.06 mm) .160" will not have standoffs.</p> <p>*Style -08 & -12 = S & D only</p>		ROW OPTION	STACKER HEIGHT	-S, -D*, -Q	(3.05) .120 MIN	-T, -5, -6	(4.06) .160 MIN
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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-221 (Rev 19MAR21)

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.

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