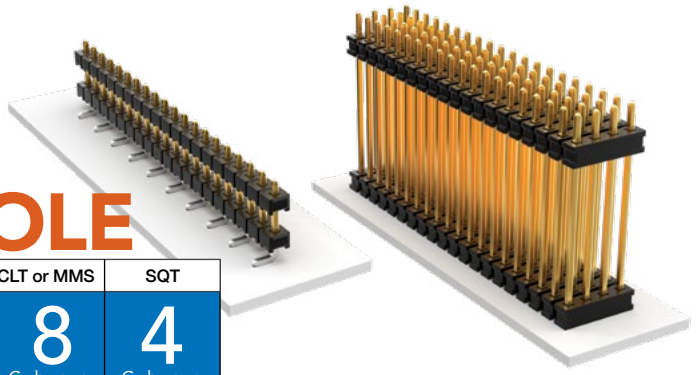
# SMT & THROUGH-HOLE BOARD STACKERS



| CLT or MMS | SQT |
|---|---|
| 8 Gbps | 4 Gbps |

## (2.00 mm) .0787" PITCH • TW SERIES

**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 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

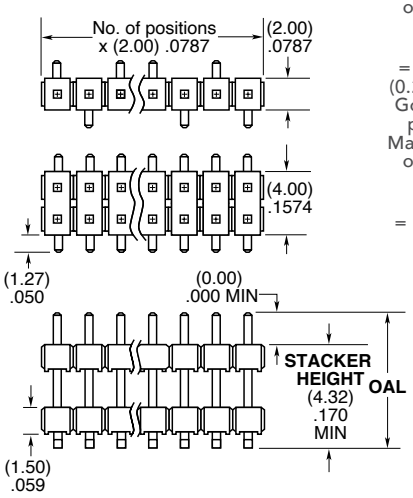
**–A**
= Alignment Pin (Metal or plastic at Samtec discretion) (4.83 mm) .190" min. board space (–D only)

**–P**
= Pick & Place Pad (1.91 mm) .075" min. post height (04-36 only)

**–"X"R**
Specify "T" for Tape & Reel

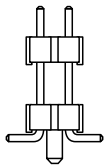
Specify "F" for Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks)

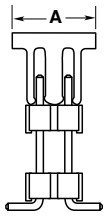
(–07 lead style N/A)
(–06 lead style with –P option N/A as standard)




| 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**

| 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

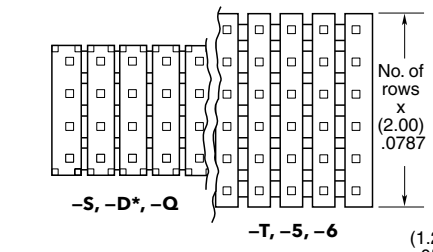
**–"XXX"**
= Stacker Height in inches (0.13 mm) .005" increments

Example: –250
= (6.35 mm) .250"

**–"XXX"**
= Tail Length in inches (0.13 mm) .005" increments

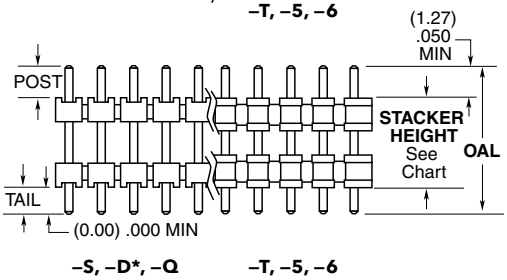
Example: -150
= (3.81 mm) .150"

**–"XXX"**
= Polarized Position (Specify position to be removed)



**–S, –D*, –Q**

**–T, –5, –6**



**–S, –D*, –Q** **–T, –5, –6**

| 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.

| 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 |

*Style –08 & –12 = S & D only



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

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.