

# 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  $\mu$ " (1.27  $\mu$ 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

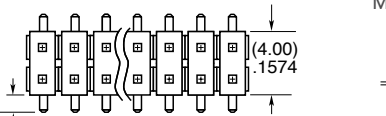
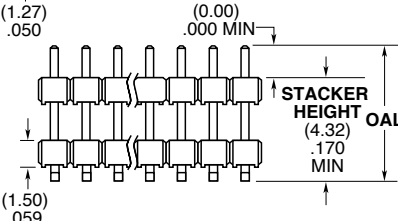
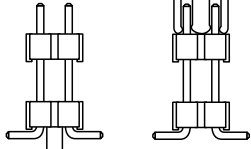
## PROCESSING

### 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<br>= Gold flash on post, Matte Tin on tail<br><br>-L<br>= 10 μ" (0.25 μm) Gold on post, Matte Tin on tail<br><br>-T<br>= Matte Tin | -S<br>= Single Row<br><br>-D<br>= Double Row | - "XXX"<br>= Stacker Height in inches (0.13 mm) .005" increments<br><br>Example: -250 = (6.35 mm) .250" |     | - "XXX"<br>= Polarized Position<br><br>-A<br>= Alignment Pin (Metal or plastic at Samtec discretion) (4.83 mm) .190" min. board space (-D only)<br><br>-P<br>= Pick & Place Pad (1.91 mm) .075" min. post height (04-36 only)<br><br>- "X"R<br>Specify "T" for Tape & Reel<br>Specify "F" for Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks)<br>(-07 lead style N/A)<br>(-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 |  |  |  |  |
| LEAD STYLE                                                                         | OAL              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                       |                                              |                                                                                                         |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |              |     |              |     |              |     |              |     |             |                                                                                       |  |  |  |
| -02                                                                                | (7.85) .309      |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                       |                                              |                                                                                                         |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |              |     |              |     |              |     |              |     |             |                                                                                       |  |  |  |
| -03                                                                                | (11.86) .467     |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                       |                                              |                                                                                                         |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |              |     |              |     |              |     |              |     |             |                                                                                       |  |  |  |
| -04                                                                                | (12.37) .487     |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                       |                                              |                                                                                                         |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |              |     |              |     |              |     |              |     |             |                                                                                       |  |  |  |
| -06                                                                                | (15.37) .605     |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                       |                                              |                                                                                                         |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |              |     |              |     |              |     |              |     |             |                                                                                       |  |  |  |
| -07                                                                                | (17.35) .683     |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                       |                                              |                                                                                                         |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |              |     |              |     |              |     |              |     |             |                                                                                       |  |  |  |
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