

(2.00 mm) .0787"

YTW-12-10-S-6-300-215

YTW-26-02-T-5-250-050

YTW-20-03-G-Q-400-085

YTW SERIES

# HIGH-DENSITY BOARD STACKER

## SPECIFICATIONS

For complete specifications see [www.samtec.com/YTW](http://www.samtec.com/YTW)

### Insulator Material:

Black Liquid Crystal Polymer

### Terminal Material:

Phosphor Bronze

### Operating Temp Range:

-55 °C to +105 °C with Tin;

-55 °C to +125 °C with Gold

### Plating:

Sn or Au over

50 μ" (1.27 μm) Ni

### RoHS Compliant:

Yes

### Lead-Free Solderable:

Wave only

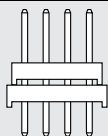
## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)

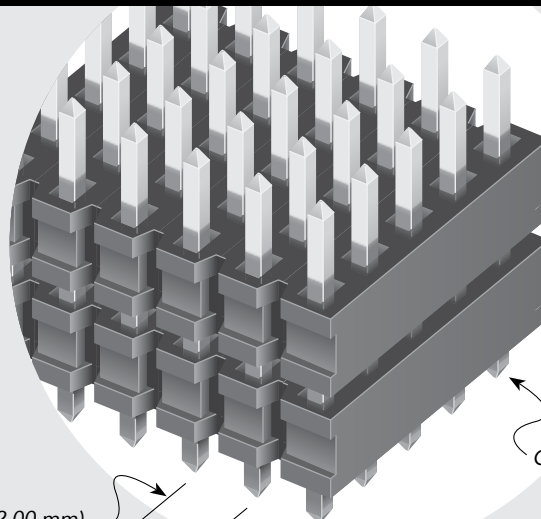


Mates with:  
YTQ, YTS, YTE

## OTHER SOLUTIONS



Paste In Hole (PIH) processing.  
Contact Samtec ASP Group.



(2.00 mm)  
.0787" pitch

Choice of 4, 5 or 6 row

| YTW        | NO. PINS PER ROW | LEAD STYLE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | PLATING OPTION                                                                                                                                                                                                                                                                                | ROW OPTION                                                                           | STACKER HEIGHT                                                                                                     | TAIL SPEC                                                                                                                                                    |            |     |     |             |     |             |     |              |     |              |     |              |     |              |     |              |     |              |     |              |     |              |            |                |    |                 |         |                 |
|------------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----|-----|-------------|-----|-------------|-----|--------------|-----|--------------|-----|--------------|-----|--------------|-----|--------------|-----|--------------|-----|--------------|-----|--------------|------------|----------------|----|-----------------|---------|-----------------|
| 02 thru 50 |                  | Specify LEAD STYLE from chart below.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>-G</b><br>= 20 μ" (0.51 μm)<br>Gold contact area,<br>Gold flash on tail<br><br><b>-S</b><br>= 30 μ" (0.76 μm)<br>Gold contact area,<br>Tin on tail<br>(Style -01 & -02 not available)<br><br><b>-L</b><br>= 10 μ" (0.25 μm)<br>Gold contact area,<br>Tin on tail<br><br><b>-T</b><br>= Tin | <b>-Q</b><br>= Four Row<br><br><b>-5</b><br>= Five Row<br><br><b>-6</b><br>= Six Row | <b>-"XXX"</b><br>= Stacker Height<br>In inches<br>(0.13 mm) .005" increments<br>Example: -250<br>= (6.35 mm) .250" | <b>-"XXX"</b><br>= Tail Length<br>In inches<br>(0.13 mm) .005" increments<br>Example: -150<br>= (3.81 mm) .150"<br><br><b>-"XXX"</b><br>= Polarized Position |            |     |     |             |     |             |     |              |     |              |     |              |     |              |     |              |     |              |     |              |     |              |            |                |    |                 |         |                 |
|            |                  | <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>-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> </tbody> </table><br><table border="1"> <thead> <tr> <th>ROW OPTION</th> <th>STACKER HEIGHT</th> </tr> </thead> <tbody> <tr><td>-Q</td><td>(3.05) .120 MIN</td></tr> <tr><td>-5 &amp; -6</td><td>(4.06) .160 MIN</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 | -09 | (11.60) .456 | -10 | (15.60) .614 | -11 | (10.08) .397 | ROW OPTION | STACKER HEIGHT | -Q | (3.05) .120 MIN | -5 & -6 | (4.06) .160 MIN |
| 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     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                               |                                                                                      |                                                                                                                    |                                                                                                                                                              |            |     |     |             |     |             |     |              |     |              |     |              |     |              |     |              |     |              |     |              |     |              |            |                |    |                 |         |                 |
| -09        | (11.60) .456     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                               |                                                                                      |                                                                                                                    |                                                                                                                                                              |            |     |     |             |     |             |     |              |     |              |     |              |     |              |     |              |     |              |     |              |     |              |            |                |    |                 |         |                 |
| -10        | (15.60) .614     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                               |                                                                                      |                                                                                                                    |                                                                                                                                                              |            |     |     |             |     |             |     |              |     |              |     |              |     |              |     |              |     |              |     |              |     |              |            |                |    |                 |         |                 |
| -11        | (10.08) .397     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                               |                                                                                      |                                                                                                                    |                                                                                                                                                              |            |     |     |             |     |             |     |              |     |              |     |              |     |              |     |              |     |              |     |              |     |              |            |                |    |                 |         |                 |
| ROW OPTION | STACKER HEIGHT   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                               |                                                                                      |                                                                                                                    |                                                                                                                                                              |            |     |     |             |     |             |     |              |     |              |     |              |     |              |     |              |     |              |     |              |     |              |            |                |    |                 |         |                 |
| -Q         | (3.05) .120 MIN  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                               |                                                                                      |                                                                                                                    |                                                                                                                                                              |            |     |     |             |     |             |     |              |     |              |     |              |     |              |     |              |     |              |     |              |     |              |            |                |    |                 |         |                 |
| -5 & -6    | (4.06) .160 MIN  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                               |                                                                                      |                                                                                                                    |                                                                                                                                                              |            |     |     |             |     |             |     |              |     |              |     |              |     |              |     |              |     |              |     |              |     |              |            |                |    |                 |         |                 |

**Note:**  
This Series is non-standard,  
non-returnable.

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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.