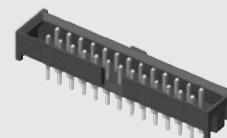
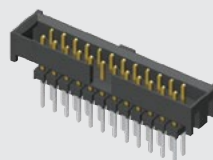


ZLTMM-112-75-L-D-285



LTMM-113-02-T-D

(2.00 mm) .0787"

LTMM, ZLTMM SERIES

# SHROUDED HEADER & STACKER

## Mates with:

SQT, SQW, ESQT, SMM

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?LTMM](http://www.samtec.com?LTMM) or [www.samtec.com?ZLTMM](http://www.samtec.com?ZLTMM)

### Insulator Material:

High Temperature Nylon

### 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

### RoHS Compliant:

Yes

## PROCESSING

### Lead-Free Solderable:

Yes

### SMT Lead Coplanarity:

(0.10 mm) .004" max

## RECOGNITIONS

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



FILE NO. E111594

## OTHER SOLUTIONS

- Shrouded IDC headers and stackers to mate with TCSD Series. See STMM and ZSTMM Series.

## ALSO AVAILABLE (MOQ Required)

- Other sizes
  - Other platings
- Contact Samtec.

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

|             |          |                                                                               |           |                                                                                                                                                                      |                                                                                                      |                                                                                                                                                                                                                                          |                     |
|-------------|----------|-------------------------------------------------------------------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| <b>LTMM</b> | <b>1</b> | <b>NO. PINS PER ROW</b>                                                       | <b>02</b> | <b>PLATING OPTION</b>                                                                                                                                                | <b>D</b>                                                                                             | <b>TAIL OPTION</b>                                                                                                                                                                                                                       | <b>OTHER OPTION</b> |
|             |          | <b>04, 05, 06, 07, 08, 10, 12, 13, 15, 17, 20, 22, 25</b><br>(Standard sizes) |           | <b>-F</b><br>= Gold flash on post, Matte Tin on tail<br><br><b>-L</b><br>= 10 $\mu$ " (0.25 $\mu$ m) Gold on post, Matte Tin on tail<br><br><b>-T</b><br>= Matte Tin | Leave blank for Through-hole<br><br><b>-RA</b><br>= Right-angle<br><br><b>-SM</b><br>= Surface Mount | <b>-“XX”</b><br>= Polarized Position<br><br><b>-LC</b><br>= Locking Clip (-SM only) (Manual placement required)<br><br><b>-K</b><br>= (7.50 mm) .295" DIA Film Pick & Place Pad (-SM only)<br><br><b>-TR</b><br>= Tape & Reel (-SM only) |                     |
|             |          |                                                                               |           |                                                                                                                                                                      |                                                                                                      |                                                                                                                                                                                                                                          |                     |

| <b>ZLTMM</b> | <b>1</b>      | <b>NO. PINS PER ROW</b>                                                       | <b>02</b> | <b>LEAD STYLE</b>              | <b>PLATING OPTION</b>                                                                                                                                                | <b>D</b>                                                                   | <b>BODY HEIGHT</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>OTHER OPTION</b> |         |                 |     |              |              |     |               |              |     |               |              |     |               |              |     |               |               |     |               |               |     |               |               |     |               |               |     |               |               |     |               |               |     |               |               |
|--------------|---------------|-------------------------------------------------------------------------------|-----------|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------|-----------------|-----|--------------|--------------|-----|---------------|--------------|-----|---------------|--------------|-----|---------------|--------------|-----|---------------|---------------|-----|---------------|---------------|-----|---------------|---------------|-----|---------------|---------------|-----|---------------|---------------|-----|---------------|---------------|-----|---------------|---------------|
|              |               | <b>04, 05, 06, 07, 08, 10, 12, 13, 15, 17, 20, 22, 25</b><br>(Standard sizes) |           | Specify LEAD STYLE from chart. | <b>-F</b><br>= Gold flash on post, Matte Tin on tail<br><br><b>-L</b><br>= 10 $\mu$ " (0.25 $\mu$ m) Gold on post, Matte Tin on tail<br><br><b>-T</b><br>= Matte Tin | <b>-“XXX”</b><br>= Body Height<br><br><b>-“XX”</b><br>= Polarized Position | <table border="1"> <thead> <tr> <th>LEAD STYLE</th> <th>B (OAL)</th> <th>MAX BODY HEIGHT</th> </tr> </thead> <tbody> <tr><td>-75</td><td>(9.58) 0.377</td><td>(7.42) 0.292</td></tr> <tr><td>-62</td><td>(10.08) 0.397</td><td>(7.92) 0.312</td></tr> <tr><td>-65</td><td>(10.49) 0.413</td><td>(8.33) 0.328</td></tr> <tr><td>-73</td><td>(12.09) 0.476</td><td>(9.93) 0.391</td></tr> <tr><td>-63</td><td>(14.10) 0.555</td><td>(11.94) 0.470</td></tr> <tr><td>-66</td><td>(15.09) 0.594</td><td>(12.93) 0.509</td></tr> <tr><td>-69</td><td>(15.60) 0.614</td><td>(13.44) 0.529</td></tr> <tr><td>-74</td><td>(17.09) 0.673</td><td>(14.94) 0.588</td></tr> <tr><td>-70</td><td>(17.60) 0.693</td><td>(15.44) 0.608</td></tr> <tr><td>-71</td><td>(21.08) 0.830</td><td>(18.92) 0.745</td></tr> <tr><td>-72</td><td>(21.62) 0.851</td><td>(19.46) 0.766</td></tr> </tbody> </table> | LEAD STYLE          | B (OAL) | MAX BODY HEIGHT | -75 | (9.58) 0.377 | (7.42) 0.292 | -62 | (10.08) 0.397 | (7.92) 0.312 | -65 | (10.49) 0.413 | (8.33) 0.328 | -73 | (12.09) 0.476 | (9.93) 0.391 | -63 | (14.10) 0.555 | (11.94) 0.470 | -66 | (15.09) 0.594 | (12.93) 0.509 | -69 | (15.60) 0.614 | (13.44) 0.529 | -74 | (17.09) 0.673 | (14.94) 0.588 | -70 | (17.60) 0.693 | (15.44) 0.608 | -71 | (21.08) 0.830 | (18.92) 0.745 | -72 | (21.62) 0.851 | (19.46) 0.766 |
| LEAD STYLE   | B (OAL)       | MAX BODY HEIGHT                                                               |           |                                |                                                                                                                                                                      |                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |         |                 |     |              |              |     |               |              |     |               |              |     |               |              |     |               |               |     |               |               |     |               |               |     |               |               |     |               |               |     |               |               |     |               |               |
| -75          | (9.58) 0.377  | (7.42) 0.292                                                                  |           |                                |                                                                                                                                                                      |                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |         |                 |     |              |              |     |               |              |     |               |              |     |               |              |     |               |               |     |               |               |     |               |               |     |               |               |     |               |               |     |               |               |     |               |               |
| -62          | (10.08) 0.397 | (7.92) 0.312                                                                  |           |                                |                                                                                                                                                                      |                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |         |                 |     |              |              |     |               |              |     |               |              |     |               |              |     |               |               |     |               |               |     |               |               |     |               |               |     |               |               |     |               |               |     |               |               |
| -65          | (10.49) 0.413 | (8.33) 0.328                                                                  |           |                                |                                                                                                                                                                      |                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |         |                 |     |              |              |     |               |              |     |               |              |     |               |              |     |               |               |     |               |               |     |               |               |     |               |               |     |               |               |     |               |               |     |               |               |
| -73          | (12.09) 0.476 | (9.93) 0.391                                                                  |           |                                |                                                                                                                                                                      |                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |         |                 |     |              |              |     |               |              |     |               |              |     |               |              |     |               |               |     |               |               |     |               |               |     |               |               |     |               |               |     |               |               |     |               |               |
| -63          | (14.10) 0.555 | (11.94) 0.470                                                                 |           |                                |                                                                                                                                                                      |                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |         |                 |     |              |              |     |               |              |     |               |              |     |               |              |     |               |               |     |               |               |     |               |               |     |               |               |     |               |               |     |               |               |     |               |               |
| -66          | (15.09) 0.594 | (12.93) 0.509                                                                 |           |                                |                                                                                                                                                                      |                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |         |                 |     |              |              |     |               |              |     |               |              |     |               |              |     |               |               |     |               |               |     |               |               |     |               |               |     |               |               |     |               |               |     |               |               |
| -69          | (15.60) 0.614 | (13.44) 0.529                                                                 |           |                                |                                                                                                                                                                      |                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |         |                 |     |              |              |     |               |              |     |               |              |     |               |              |     |               |               |     |               |               |     |               |               |     |               |               |     |               |               |     |               |               |     |               |               |
| -74          | (17.09) 0.673 | (14.94) 0.588                                                                 |           |                                |                                                                                                                                                                      |                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |         |                 |     |              |              |     |               |              |     |               |              |     |               |              |     |               |               |     |               |               |     |               |               |     |               |               |     |               |               |     |               |               |     |               |               |
| -70          | (17.60) 0.693 | (15.44) 0.608                                                                 |           |                                |                                                                                                                                                                      |                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |         |                 |     |              |              |     |               |              |     |               |              |     |               |              |     |               |               |     |               |               |     |               |               |     |               |               |     |               |               |     |               |               |     |               |               |
| -71          | (21.08) 0.830 | (18.92) 0.745                                                                 |           |                                |                                                                                                                                                                      |                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |         |                 |     |              |              |     |               |              |     |               |              |     |               |              |     |               |               |     |               |               |     |               |               |     |               |               |     |               |               |     |               |               |     |               |               |
| -72          | (21.62) 0.851 | (19.46) 0.766                                                                 |           |                                |                                                                                                                                                                      |                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |         |                 |     |              |              |     |               |              |     |               |              |     |               |              |     |               |               |     |               |               |     |               |               |     |               |               |     |               |               |     |               |               |     |               |               |
|              |               |                                                                               |           |                                |                                                                                                                                                                      |                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |         |                 |     |              |              |     |               |              |     |               |              |     |               |              |     |               |               |     |               |               |     |               |               |     |               |               |     |               |               |     |               |               |     |               |               |

**Note:** For added mechanical stability, Samtec recommends mechanical board spacers be used in applications with gold or selective gold plated connectors. Contact [ipg@samtec.com](mailto:ipg@samtec.com) for more information.

Due to technical progress, all designs, specifications and components are subject to change without notice.

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All parts within this catalog are built to Samtec's specifications.  
Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.