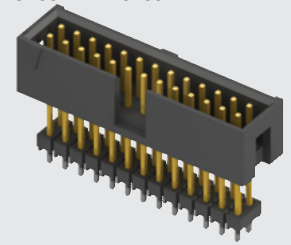


ZSS-113-03-L-D-0735



TSS, HTSS, ZSS SERIES

(2,54 mm) .100"

# SHROUDED .025" SQ POST HEADERS

Mates with:  
SSW, SSQ, ESW, ESQ,  
SSM, BCS

## SPECIFICATIONS

For complete specifications see [www.samtec.com](http://www.samtec.com)?TSS, [www.samtec.com](http://www.samtec.com)?HTSS or [www.samtec.com](http://www.samtec.com)?ZSS

**Insulator Material:**  
Black Glass Filled Polyester (TSS, ZSS)  
Natural PCT (HTSS)

**Insulation Resistance:**  
5000 MΩ min

**Terminal Material:**  
Phosphor Bronze  
**Plating:** Au or Sn over 50μ" (1,27 μm) Ni

**Operating Temp Range:**  
-55°C to +125°C with Gold  
-55°C to +105°C with Tin

**Flammability Rating:**  
UL 94V-0

**Withstanding Voltage:**  
1000 VRMS

**RoHS Compliant:** Yes

**Processing:**  
Lead-Free Solderable:  
Yes (HTSS)

Wave Only (TSS, ZSS)

**SMT Lead Coplanarity:**  
(0,15 mm) .006"

|   |          |  |                                       |   |  |
|---|----------|--|---------------------------------------|---|--|
| <b>TYPE STRIP</b>                             | <b>1</b> | <b>NO. PINS PER ROW</b>  | <b>LEAD STYLE</b>                     | <b>PLATING OPTION</b>   | <b>ROW OPTION</b>  |
| <b>TSS</b><br>= Connector Strip               |          | <b>03</b><br>(TSS only)<br>05, 07, 08, 10,<br>12, 13, 15, 17,<br>20, 25, 32, 36<br>(Standard sizes.) | Specify <b>LEAD STYLE</b> from chart. | <b>-F</b><br>= Gold flash on post,<br>Matte Tin on tail<br>(Not available on -DV) | <b>-D</b><br>= Double Row<br>Through-hole<br>(lead style -01,<br>-02 & -03 only)       |
| <b>HTSS</b><br>= High Temp<br>Connector Strip |          |  |                                       | <b>-L</b><br>= 10μ" (0,25 μm)<br>Gold on post,<br>Matte Tin on tail               | <b>-DV</b><br>= Double Row<br>Surface Mount<br>(lead style<br>-01 only)<br>(HTSS only) |
|   |          |  |                                       | <b>-T</b><br>= Matte Tin  | <b>-D-RA</b><br>= Double Row<br>Right Angle<br>(lead style -04<br>& -05 only)          |

| LEAD STYLE | T/H (A)      |
|------------|--------------|
| -01        | (2,92) .115  |
| -02        | (4,19) .165  |
| -03        | (14,35) .565 |

| LEAD STYLE | RIGHT ANGLE (B) |
|------------|-----------------|
| -04        | (3,30) .130     |
| -05        | (5,84) .230     |

## RECOGNITIONS

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



## OTHER SOLUTIONS

- Shrouded IDC headers and stackers to mate with IDSD, SMSD Series. See TST, HTST and ZST Series.

## ALSO AVAILABLE (MOQ Required)

- Other sizes
  - Other platings
  - Alignment Pins
  - Single Row
  - Locking Leads
  - Polarized
- Contact Samtec.

**Note:** Some lengths, styles and options are non-standard, non-returnable. ZSS is non-standard, non-returnable.

|            |          |  |                                       |   |          |                                  |
|------------|----------|--|---------------------------------------|---|----------|----------------------------------|
| <b>ZSS</b> | <b>1</b> | <b>NO. PINS PER ROW</b>  | <b>LEAD STYLE</b>                     | <b>PLATING OPTION</b>   | <b>D</b> | <b>BODY HEIGHT</b>               |
|            |          | <b>03, 05, 07, 08, 10, 12, 13, 15, 17, 20, 25, 32, 36</b><br>(Standard sizes.) | Specify <b>LEAD STYLE</b> from chart. | <b>-F</b><br>= Gold flash on post,<br>Matte Tin on tail             |          | <b>- "XXXX"</b><br>= Body Height |
|            |          |  |                                       | <b>-L</b><br>= 10μ" (0,25 μm)<br>Gold on post,<br>Matte Tin on tail |          |                                  |
|            |          |  |                                       | <b>-T</b><br>= Matte Tin  |          |                                  |

| LEAD STYLE | C (OAL)       | MAX BODY HEIGHT |
|------------|---------------|-----------------|
| -01        | (16,00) .630  | (13,72) .540    |
| -02        | (18,54) .730  | (16,26) .640    |
| -03        | (21,08) .830  | (18,80) .740    |
| -04        | (23,62) .930  | (21,34) .840    |
| -05        | (26,16) 1.030 | (23,88) .940    |
| -06        | (28,70) 1.130 | (26,42) 1.040   |
| -07        | (31,24) 1.230 | (28,96) 1.140   |
| -08        | (33,78) 1.330 | (31,50) 1.240   |
| -09        | (36,32) 1.430 | (34,04) 1.340   |

**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.