



(2.54 mm) .100"

TSS, HTSS, ZSS SERIES

# SHROUDED .025" SQ POST HEADERS

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

## SPECIFICATIONS

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

### Insulator Material:

TSS, ZSS: Black Glass  
Filled Polyester

HTSS: Natural PCT

**Insulation Resistance:**  
5000 MΩ min

### Terminal Material:

Phosphor Bronze  
**Plating:** Au or Sn over  
50 μ" (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:

HTSS: Yes

TSS, ZSS: Wave Only

### SMT Lead Coplanarity:

(0.15 mm) .006" max\*  
\*(.004" stencil solution may be available; contact [IPG@samtec.com](mailto:IPG@samtec.com))

## 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 Series. See TST, HTST and ZST Series.

## ALSO AVAILABLE (MOQ Required)

- Other sizes
- Other platings
- Alignment Pins
- Single Row
- Locking Leads
- Polarized

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

|                                 |          |  |                                       |  |   |
|---------------------------------|----------|--|---------------------------------------|--|---|
| <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><b>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, Matte Tin on tail<br>(Not available on -DV)<br><b>-L</b><br>= 10 μ" (0.25 μm) Gold on post, Matte Tin on tail<br><b>-T</b><br>= Matte Tin | <b>-D</b><br>= Double Row Through-hole (lead style -01, -02 & -03 only)<br><b>-DV</b><br>= Double Row Surface Mount (lead style -01 only) (HTSS only)<br><b>-D-RA</b><br>= Double Row Right-angle (lead style -04 & -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     |

  

|            |          |   |                                       |  |          |                                 |
|------------|----------|---|---------------------------------------|--|----------|---------------------------------|
| <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, Matte Tin on tail<br><b>-L</b><br>= 10 μ" (0.25 μm) Gold on post, Matte Tin on tail<br><b>-T</b><br>= Matte Tin |          | <b>-"XXXX"</b><br>= Body Height |

  

| 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.

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

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)

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.

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