

(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-O

**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)

**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 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.

| TYPE STRIP                                    | 1 | NO. PINS PER ROW                                                                  | LEAD STYLE                                  | PLATING OPTION                                                                    | ROW OPTION                                                                             |
|-----------------------------------------------|---|-----------------------------------------------------------------------------------|---------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| <b>TSS</b><br>= Connector Strip               |   | <b>03</b><br>(TSS only)                                                           | Specify<br><b>LEAD STYLE</b><br>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>05, 07, 08, 10,<br/>12, 13, 15, 17,<br/>20, 25, 32, 36</b><br>(Standard sizes) |                                             | <b>-L</b><br>= 10 μ" (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     |

  

| ZSS | 1 | NO. PINS PER ROW                                                                  | LEAD STYLE                                  | PLATING OPTION                                                       | D                                | BODY HEIGHT |
|-----|---|-----------------------------------------------------------------------------------|---------------------------------------------|----------------------------------------------------------------------|----------------------------------|-------------|
|     |   | <b>03, 05, 07, 08, 10, 12,<br/>13, 15, 17, 20, 25, 32, 36</b><br>(Standard sizes) | Specify<br><b>LEAD STYLE</b><br>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>= 10 μ" (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.

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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