



(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](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> = Connector Strip	<b>03</b> (TSS only)	<b>05, 07, 08, 10, 12, 13, 15, 17, 20, 25, 32, 36</b> (Standard sizes)	Specify <b>LEAD STYLE</b> from chart.	<b>-F</b> = Gold flash on post, Matte Tin on tail (Not available on -DV) <b>-L</b> = 10 μ" (0.25 μm) Gold on post, Matte Tin on tail <b>-T</b> = Matte Tin	<b>-D</b> = Double Row Through-hole (lead style -01, -02 & -03 only) <b>-DV</b> = Double Row Surface Mount (lead style -01 only) (HTSS only) <b>-D-RA</b> = 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> (Standard sizes)	Specify <b>LEAD STYLE</b> from chart.	<b>-F</b> = Gold flash on post, Matte Tin on tail <b>-L</b> = 10 μ" (0.25 μm) Gold on post, Matte Tin on tail <b>-T</b> = Matte Tin	<b>- "XXXX"</b> = 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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