

(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)


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

  

ZSS	1	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	D	BODY HEIGHT																														
		<b>03, 05, 07, 08, 10, 12, 13, 15, 17, 20, 25, 32, 36</b> (Standard sizes)	Specify LEAD STYLE from chart.	<b>-F</b> = Gold flash on post, Matte Tin on tail	<b>- "XXXX"</b> = Body Height	<table border="1"> <thead> <tr> <th>LEAD STYLE</th> <th>C (OAL)</th> <th>MAX BODY HEIGHT</th> </tr> </thead> <tbody> <tr> <td>-01</td> <td>(16.00) .630</td> <td>(13.72) .540</td> </tr> <tr> <td>-02</td> <td>(18.54) .730</td> <td>(16.26) .640</td> </tr> <tr> <td>-03</td> <td>(21.08) .830</td> <td>(18.80) .740</td> </tr> <tr> <td>-04</td> <td>(23.62) .930</td> <td>(21.34) .840</td> </tr> <tr> <td>-05</td> <td>(26.16) 1.030</td> <td>(23.88) .940</td> </tr> <tr> <td>-06</td> <td>(28.70) 1.130</td> <td>(26.42) 1.040</td> </tr> <tr> <td>-07</td> <td>(31.24) 1.230</td> <td>(28.96) 1.140</td> </tr> <tr> <td>-08</td> <td>(33.78) 1.330</td> <td>(31.50) 1.240</td> </tr> <tr> <td>-09</td> <td>(36.32) 1.430</td> <td>(34.04) 1.340</td> </tr> </tbody> </table>	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
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																																		
			<b>-L</b> = 10 μ" (0.25 μm) Gold on post, Matte Tin on tail	<b>-T</b> = Matte Tin																																

  

**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 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.

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Samtec:](#)

[ZSS-110-03-L-D-720](#)