



# SHROUDED HEADER TSS, TST, ZSS, ZST SERIES

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

**TYPE STRIP** - **1** **NO. PINS PER ROW** - **LEAD STYLE** - **PLATING OPTION** - **D** - **OTHER OPTION**

### APPLICATIONS

**Board Stacking**

**Cable**

**TSS**  
= Top Shrouded Connector Strip

**TST**  
= Top Shrouded Cable Strip

**ZSS**  
= Elevated Connector Strip

**ZST**  
= Elevated Cable Strip

**APPLICATION SPECIFIC OPTION**

Single row available.  
Call Samtec.

### Specify "LEAD STYLE" from chart

LEAD STYLE	TSS/TST STRAIGHT TAIL LENGTH (A)	TSS/TST RIGHT ANGLE TAIL LENGTH (B)	ZSS/ZST OVERALL LENGTH (C)
-01	(2,92) .115	—	(16,00) .630
-02	(4,19) .165	—	(18,54) .730
-03	(14,35) .565	—	(21,08) .830
-04	—	(3,30) .130	(23,62) .930
-05	—	(5,84) .230	(26,16) 1.030
-06	—	—	(28,70) 1.130
-07	—	—	(31,24) 1.230
-08	—	—	(33,78) 1.330
-09	—	—	(36,32) 1.430

**-RA**  
= Right Angle (TSS, TST only)

**-LL**  
= Locking Lead (Requires .090" (2,29mm) min. tail)

**-LA**  
= -RA Option with -LL Option (TSS, TST only)

**-“XXXX”**  
= Body Height (ZSS, ZST only)

### SPECIFICATIONS

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

**Insulator Material:** Black Glass Filled Polyester  
**Insulation Resistance:** 5000 MΩ min  
**Terminal Material:** Phosphor Bronze  
**Plating:** Au or Sn over 50μ" (1,27μm) Ni  
**Current Rating:** 3A  
**Operating Temp Range:** -55°C to +125°C with Gold  
-55°C to +105°C with Tin  
**Flamability Rating:** UL 94V-O  
**Withstanding Voltage:** 1000 VRMS

**Processing:** Lead-Free Solderable: Wave Only

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

**05, 07, 08, 10, 12, 13, 15, 17, 20, 25, 32, 36**  
(Call Samtec for other sizes.)

**TSS, TST ZSS, ZST**

TYPE STRIP	X	Y
TSS ZSS	(2,54) .100 X No. of Positions + (1,27) .050	(2,54) .100 X No. of Positions + (3,81) .150
TST ZST	(2,54) .100 X No. of Positions + (5,08) .200	(2,54) .100 X No. of Positions + (7,62) .300

**-G**  
= 10μ" (0,25μm) Gold on contact area, Gold flash on balance

**-S**  
= 30μ" (0,76μm) Gold on contact area, Matte Tin on tail

**-L**  
= 10μ" (0,25μm) Gold on contact area, Matte Tin on tail

**-T**  
= Matte Tin

LEAD STYLE	MAX. BODY HEIGHT
-01	.540 (13,72)
-02	.640 (16,26)
-03	.740 (18,80)
-04	.840 (21,34)
-05	.940 (23,88)
-06	1.040 (26,42)
-07	1.140 (28,96)
-08	1.240 (31,50)
-09	1.340 (34,04)

For board stacking height add .085" (2,16mm) when mated with SSW series.  
Example: ZST-1XX-01-X-X-465 mated with SSW = (13,97mm) .550" board space

**-“XX”**  
= Polarized Position

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

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