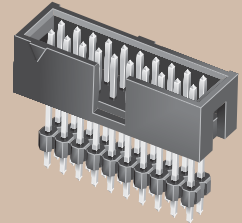


HTSS-117-01-L-DV

ZSS-110-03-L-D-0715



# SHROUDED HEADER TSS, TST, HTSS, HTST, ZSS, ZST SERIES

**TSS, HTSS, ZSS**

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

**TST, HTST, ZST**

Mates with:  
IDSD

## SPECIFICATIONS

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

**Insulator Material:**  
Black Glass Filled Polyester (TSS, TST, ZSS, ZST)  
Natural PCT (HTSS, HTST)



**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

**Flammability Rating:**  
UL 94V-0

**Withstanding Voltage:**  
1000 VRMS

**RoHS Compliant:**  
Yes

**Processing:**

**Max Processing Temp:**  
HTSS & HTST only:  
230°C for 60 seconds, or  
260°C for 20 seconds 3x

**Lead-Free Solderable:**  
Yes (HTSS, HTST)

Wave Only (TSS, TST,  
ZSS, ZST)

**SMT Lead Coplanarity:**  
(0,15mm) .006"

## APPLICATION SPECIFIC OPTION

- Alignment Pins
- Single Row
- Poling Leads
- Polarized
- Call Samtec.

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



- TSS**  
= Top Shrouded Connector Strip
- TST**  
= Top Shrouded Cable Strip
- HTSS**  
= High Temp Top Shrouded Connector Strip
- HTST**  
= High Temp Top Shrouded Cable Strip
- ZSS**  
= Elevated Connector Strip
- ZST**  
= Elevated Cable Strip

Specify "LEAD STYLE" from chart

LEAD STYLE	TSS/TST STRAIGHT TAIL LENGTH (A)	HTSS/HTST STRAIGHT TAIL LENGTH (A)
-01	(2,92) .115	(3,30) .130
-02	(4,19) .165	(4,57) .180
-03	(14,35) .565	(14,73) .580

LEAD STYLE	ZSS/ZST OVERALL LENGTH (C)
-01	(16,00) .630
-02	(18,54) .730
-03	(21,08) .830
-04	(23,62) .930
-05	(26,16) 1.030
-06	(28,70) 1.130
-07	(31,24) 1.230
-08	(33,78) 1.330
-09	(36,32) 1.430

LEAD STYLE	TSS/TST/HTSS/HTST RIGHT ANGLE TAIL LENGTH (B)
-04	(3,30) .130
-05	(5,84) .230

**HTSS/HTST Lead Style -01**

**-D**  
= Double Row Through-hole (Lead style -01, -02 & -03 only or BODY HEIGHT must be specified)

**-DV**  
= Double Row Surface Mount (Lead style -01 only) (HTSS, HTST only)

**-D-RA**  
= Double Row Right Angle (Lead style -04 & -05 only) (ZSS, ZST N/A)

**- "XXXX"**  
= Body Height (ZSS, ZST & -D only)

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

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

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

- L**  
= 10μ" (0,25μm) Gold on contact area, Matte Tin on tail
- G**  
= 10μ" (0,25μm) Gold on contact area, Gold flash on balance (Not available on -DV)
- T**  
= Matte Tin

**Note:** Other Gold plating options available. Contact Samtec.

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

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