



HTSS-125-01-L-DV

(2,54mm) .100"

TSS, TST, HTSS, HTST, ZSS, ZST SERIES

# SHROUDED .025" SQ POST HEADERS

## TSS, HTSS, ZSS

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

## TST, HTST, ZST

Mates with:  
IDSD, SMSD

### 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-O

**Withstanding Voltage:**  
1000 VRMS

**RoHS Compliant:**  
Yes

**Processing:**  
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
  - Locking Leads
  - Polarized
- Call Samtec.

**Note:** Other Gold plating options available. Contact 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	STRAIGHT TAIL LENGTH (A)
-01	(2,92) .115
-02	(4,19) .165
-03	(14,35) .565

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 not available)

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

**TSS, TST      ZSS, ZST**

Specify **-SS** for cost-effective heavy Gold where it counts!

**-F** = Gold flash on post, Matte Tin on tail

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

**-G** = 10µ" (0,25µm) Gold on post, Gold flash on balance (not available on -DV)

**-T** = Matte Tin

**-SS** = 30µ" (0,76µm) Gold stripe on contact area, Gold flash to tip, Matte Tin on tail (TSS & HTSS only) (Straight -01, -02, -03, Right Angle -04 & Surface Mount -01 only)

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

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