

samtec

FLEX STACK

HTSS-117-01-S-DV

ZSS-110-03-S-D-0715

SHROUDED HEADER

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

TSS, HTSS, ZSS

Mates with:

SSW, SSQ, ESW, ESQ, SSM, BCS, IDSD

TST, HTST, ZST

Mates with:

IDSD

SPECIFICATIONS

For complete specifications see www.samtec.com?TSS, www.samtec.com?TST, www.samtec.com?HTSS, www.samtec.com?HTST, www.samtec.com?ZSS or 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:

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
- Locking Leads
- Polarized
- Call Samtec.

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

TYPE STRIP - 1 NO. PINS PER ROW - LEAD STYLE - PLATING OPTION - TAIL OPTION - BODY HEIGHT

TSS
= Top Shrouded Connector Strip

TST
= Top Shrouded Cable Strip

HTSS
= High Temp Top Shrouded Connector Strip

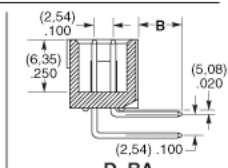
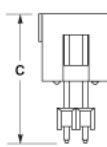
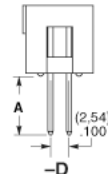
HTST
= High Temp Top Shrouded Cable Strip

ZSS
= Elevated Connector Strip

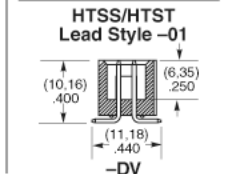
ZST
= Elevated Cable Strip

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



-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)

-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.)

	(2,54) .100 (0,38) .015 (6,35) (8,89) .250 .350 (5,1) .20 (8,89) .350 (0,38) .015 (0,64) .025 SQ TYP	
	TSS, TST	ZSS, ZST
	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		

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

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