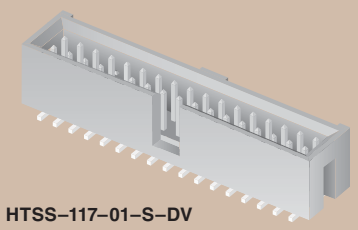
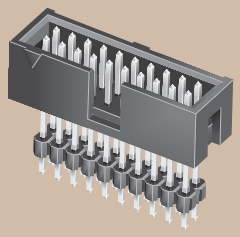
samtec

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

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)
FILE NO. E111594
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
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

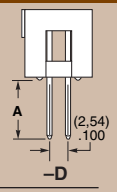
HTST
= High Temp Top Shrouded Cable Strip

ZSS
= Elevated Connector Strip

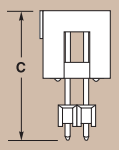
ZST
= Elevated Cable Strip

Specify "LEAD STYLE" from chart

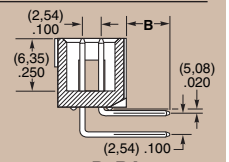
LEAD STYLE	TSS/TST STRAIGHT TAIL LENGTH (A)	HTSS/HTST STRAIGHT TAIL LENGTH (A)
–01	(2,92) .115	(3,30) .130
–02	(4,19).165	(4,57) .180
–03	(14,35) .565	(14,73) .580



–D



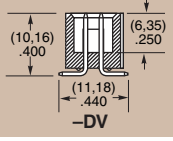
LEAD STYLE	ZSS/ZST OVERALL LENGTH (C)
–01	(16,00) .630
–02	(18,54) .730
–03	(21,08) .830
–04	(23,62) .930
–05	(26,16) 1.030
–06	(28,70) 1.130
–07	(31,24) 1.230
–08	(33,78) 1.330
–09	(36,32) 1.430



–D–RA

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

HTSS/HTST Lead Style –01



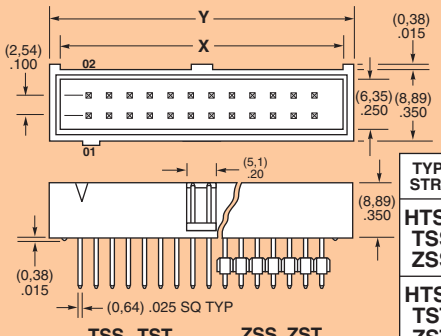
–DV

–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)

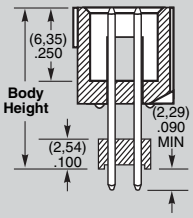
–D–RA
= Double Row Right Angle (Lead style –04 & –05 only) (ZSS, ZST N/A)

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

–"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

–G
= 10µ" (0,25µm) Gold on contact area, Gold flash on balance (Not available on -DV)

–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

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

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