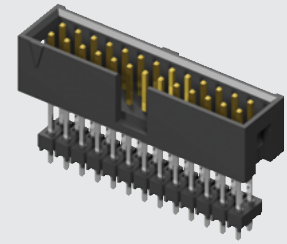


HTST-125-01-L-DV



TST, HTST, ZST SERIES

(2,54 mm) .100"

# SHROUDED .025" SQ POST IDC HEADERS

Mates with:  
IDSD, SMSD

## SPECIFICATIONS

For complete specifications  
www.samtec.com?TST,  
www.samtec.com?HTST or  
www.samtec.com?ZST

**Insulator Material:**

Black Glass Filled Polyester (TST, ZST)  
Natural PCT (HTST)

**Insulation Resistance:**

5000 MΩ min

**Terminal Material:**

Phosphor Bronze  
**Plating:** Au or Sn over 50μ" (1,27 μm) Ni

**Current Rating (IDSD/TST):**

3.4 A per pin  
(1 pin powered per row)

**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:**

**Lead-Free Solderable:**

Yes (HTST)

Wave Only (TST, ZST)

**SMT Lead Coplanarity:**

(0,10 mm) .004" max (05-15)

(0,15 mm) .006" max (17-36)

TYPE STRIP	1	NO. PINS PER ROW	05, 07, 08, 10, 12, 13, 15, 17, 20, 25, 32, 36 (Standard sizes.)	LEAD STYLE	Specify LEAD STYLE from chart.	PLATING OPTION	-F = Gold flash on post, Matte Tin on tail (Not available on -DV) -L = 10μ" (0,25 μm) Gold on post, Matte Tin on tail -T = Matte Tin	ROW OPTION	-D = Double Row Through-hole (lead style -01, -02 & -03 only) -DV = Double Row Surface Mount (lead style -01 only) (HTST only) -D-RA = Double Row Right Angle (lead style -04 & -05 only)	OTHER OPTION	Surface Mount (lead style -01 only) (HTST only) -P = Pick & Place Pad -TR = Tape & Reel Packaging
------------	---	------------------	---	------------	--------------------------------	----------------	--	------------	---	--------------	---

LEAD STYLE	T/H (A)
-01	(2,92) .115
-02	(4,19) .165
-03	(14,35) .565

LEAD STYLE	RIGHT ANGLE (B)
-04	(3,30) .130
-05	(5,84) .230

## RECOGNITIONS

For complete scope of recognitions see  
www.samtec.com/quality



FILE NO. E111594

## OTHER SOLUTIONS

- Shrouded board-to-board headers and stackers to mate with SSW, SSQ, ESW, ESQ, SSM and BCS Series. See TSS, HTSS and ZSS Series.

## ALSO AVAILABLE (MOQ Required)

- Other platings & sizes
  - Alignment Pins
  - Single Row
  - Locking Leads
  - Polarized
- Contact Samtec.

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

ZST	1	NO. PINS PER ROW	05, 07, 08, 10, 12, 13, 15, 17, 20, 25, 32, 36 (Standard sizes.)	LEAD STYLE	Specify LEAD STYLE from chart.	PLATING OPTION	-F = Gold flash on post, Matte Tin on tail -L = 10μ" (0,25 μm) Gold on post, Matte Tin on tail -T = Matte Tin	BODY HEIGHT	- "XXXX" = Body Height
-----	---	------------------	---	------------	--------------------------------	----------------	---	-------------	------------------------

LEAD STYLE	C (OAL)	MAX BODY HEIGHT
-01	(16,00) .630	(13,72) .540
-02	(18,54) .730	(16,26) .640
-03	(21,08) .830	(18,80) .740
-04	(23,62) .930	(21,34) .840
-05	(26,16) 1.030	(23,88) .940
-06	(28,70) 1.130	(26,42) 1.040
-07	(31,24) 1.230	(28,96) 1.140
-08	(33,78) 1.330	(31,50) 1.240
-09	(36,32) 1.430	(34,04) 1.340

**Note:** For added mechanical stability, Samtec recommends mechanical board spacers be used in applications with gold or selective gold plated connectors. Contact ipg@samtec.com for more information.