

# FLEX STACK



HTST-125-01-L-DV



(2.54 mm) .100"

TST, HTST, ZST SERIES

# SHROUDED .025" SQ POST IDC HEADERS

Mates with:  
IDSD

## SPECIFICATIONS

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

**Insulator Material:**

TST, ZST: Black Glass Filled Polyester  
HTST: Natural LCP

**Insulation Resistance:**  
5000 MΩ min

**Terminal Material:**  
Phosphor Bronze

**Plating:** Au or Sn over 50 μ" (1.27 μm) Ni

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

3.4 A per pin (2 pins powered)

**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:**

HTST: Yes

TST, ZST: Wave Only

**SMT Lead Coplanarity:**

(0.10 mm) .004" max (05-15)

(0.15 mm) .006" max (17-36)\*

\*(.004" stencil solution may be available; contact

IPG@samtec.com)

## RECOGNITIONS

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



FILE NO. E111394

## OTHER SOLUTIONS

- Shrouded board-to-board headers and stackers to mate with SSW, SSQ, ESQ, 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

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

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 = 10 μ" (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
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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

  

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 = 10 μ" (0.25 μm) Gold on post, Matte Tin on tail -T = Matte Tin	BODY HEIGHT	- "XXXX" = Body Height
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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.

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

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

All parts within this catalog are built to Samtec's specifications.

Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.