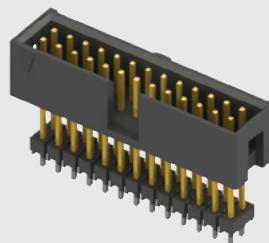


FLEX STACK

(2.54 mm) .100"

HTST-125-01-L-DV



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



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

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

| TYPE STRIP | 1 | NO. PINS PER ROW | LEAD STYLE | PLATING OPTION | ROW OPTION | OTHER OPTION |
|------------------------------------|---|--------------------------------------------------------------------------|--------------------------------------------|----------------------------------------------------------------------------|---------------------------------------------------------------------------------|-------------------------------------------------------------|
| TST = Cable Strip | | 05, 07, 08, 10, 12, 13, 15, 17, 20, 25, 32, 36 (Standard sizes) | Specify LEAD STYLE from chart. | -F = Gold flash on post, Matte Tin on tail (Not available on -DV) | -D = Double Row Through-hole (lead style -01, -02 & -03 only) | Surface Mount (lead style -01 only) (HTST only) |
| HTST = High Temp Cable Strip | | | | -L = 10 µ" (0.25 µm) Gold on post, Matte Tin on tail | -DV = Double Row Surface Mount (lead style -01 only) (HTST only) | -P = Pick & Place Pad |
| | | | | -T = Matte Tin | -D-RA = Double Row Right-angle (lead style -04 & -05 only) | -TR = Tape & Reel Packaging |
| | | | | | | |

Technical drawing showing lead styles, dimensions, and mounting options for the shrouded .025" SQ post IDC headers. The drawing includes a top view of the header with lead styles -01, -02, and -03, and a side view of the header with lead style -01. Dimensions include lead height (A), lead pitch (B), and body height (C). Mounting options include -D (through-hole), -DV (surface mount), and -D-RA (right-angle). Plating options include -F (gold flash on post, matte tin on tail), -L (10 µ" gold on post, matte tin on tail), and -T (matte tin on post and tail).

| ZST | 1 | NO. PINS PER ROW | LEAD STYLE | PLATING OPTION | D | BODY HEIGHT |
|-----|---|-----------------------------------------------------------------------|--------------------------------------------|---------------------------------------------------------------|---|----------------|
| | | 05, 07, 08, 10, 12, 13, 15, 17, 20, 25, 32, 36 (Standard sizes) | Specify LEAD STYLE from chart. | -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 | | |
| | | | | | | |

Technical drawing showing lead styles, dimensions, and mounting options for the shrouded .025" SQ post IDC headers. The drawing includes a top view of the header with lead style -01, and a side view of the header with lead style -01. Dimensions include lead height (A), lead pitch (B), and body height (C). Mounting options include -D (through-hole), -DV (surface mount), and -D-RA (right-angle). Plating options include -F (gold flash on post, matte tin on tail), -L (10 µ" gold on post, matte tin on tail), and -T (matte tin on post and tail). A note indicates that 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

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.

Mouser Electronics

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