

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



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 | 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 |
|------------|---|------------------|---|------------|--------------------------------|----------------|---|------------|---|--------------|---|
|------------|---|------------------|---|------------|--------------------------------|----------------|---|------------|---|--------------|---|

| 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 |
|-----|---|------------------|---|------------|--------------------------------|----------------|--|-------------|------------------------|
|-----|---|------------------|---|------------|--------------------------------|----------------|--|-------------|------------------------|

| 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.

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