

# 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. 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

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

TYPE  
STRIP

1

NO. PINS  
PER ROWLEAD  
STYLEPLATING  
OPTIONROW  
OPTIONOTHER  
OPTIONTST  
= Cable StripHTST  
= High Temp  
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)

—L  
= 10 μ" (0.25 μm)  
Gold on post,  
Matte Tin on tail

—T  
= Matte Tin

—D  
= Double Row  
Through-hole  
(lead style -01,  
-02 & -03 only)

—DV  
= Double Row  
Surface Mount  
(lead style  
-01 only)  
(HTST only)

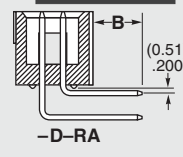
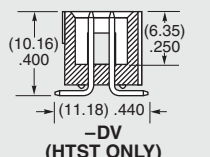
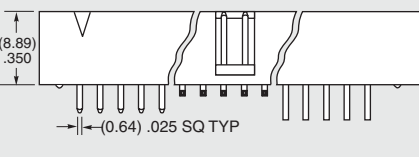
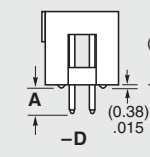
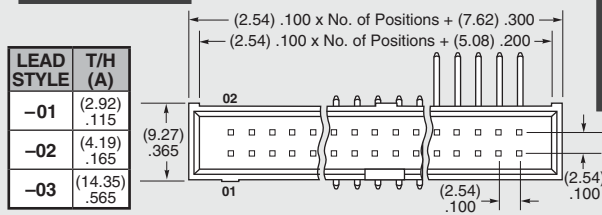
—D-RA  
= Double Row  
Right-angle  
(lead style -04  
& -05 only)

Surface  
Mount  
(lead style  
-01 only)  
(HTST only)

—P  
= Pick &  
Place Pad

—TR  
= Tape  
& Reel  
Packaging

| LEAD<br>STYLE | T/H<br>(A)      |
|---------------|-----------------|
| -01           | (2.92)<br>.115  |
| -02           | (4.19)<br>.165  |
| -03           | (14.35)<br>.565 |



ZST

1

NO. PINS  
PER ROWLEAD  
STYLEPLATING  
OPTION

D

BODY  
HEIGHT

05, 07, 08, 10, 12, 13,  
15, 17, 20, 25, 32, 36  
(Standard sizes)

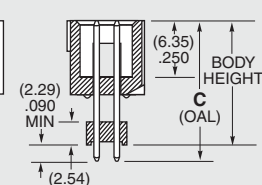
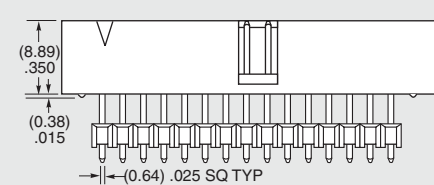
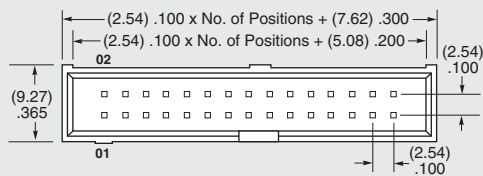
Specify  
LEAD  
STYLE  
from  
chart.

—F  
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Matte Tin on tail

—L  
= 10 μ" (0.25 μm)  
Gold on post,  
Matte Tin on tail

—T  
= Matte Tin

—“XXXX”  
= Body Height



| LEAD<br>STYLE | C<br>(OAL)    | MAX BODY<br>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.

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