

# 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

LEAD STYLE

PLATING OPTION

ROW OPTION

OTHER OPTION

TST  
= 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)

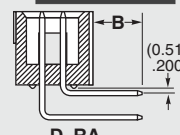
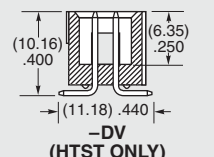
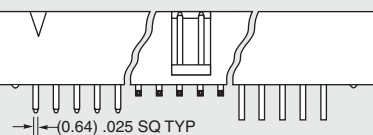
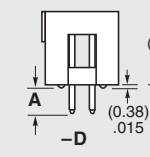
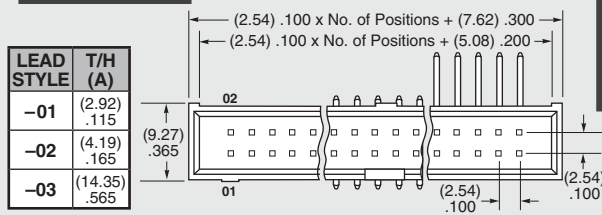
—D-RA  
= Double Row  
Right-angle  
(lead style -04  
& -05 only)

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

—P  
= Pick &  
Place Pad

—TR  
= Tape  
& Reel  
Packaging

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



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)

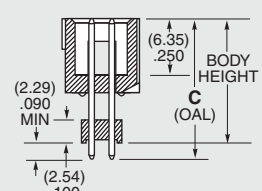
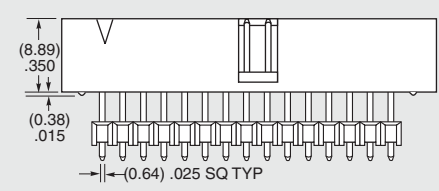
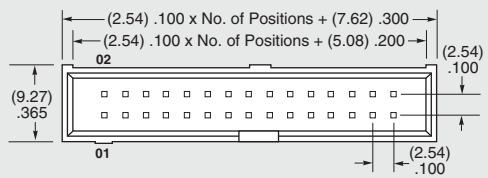
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LEAD  
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Matte Tin on tail

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

—T  
= Matte Tin

—“XXXX”  
= Body Height



| LEAD 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

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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[TST-110-04-L-D-RA](#)