

HTST-125-01-L-DV



(2,54 mm) .100"

TST, HTST, ZST SERIES

# SHROUDED .025" SQ POST IDC HEADERS

Mates with:  
IDSD, SMSD

## SPECIFICATIONS

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

**Insulator Material:**  
Black Glass Filled Polyester (TST, ZST)  
Natural PCT (HTST)  
**Insulation Resistance:**  
5000 MΩ min  
**Terminal Material:**  
Phosphor Bronze  
**Plating:** Au or Sn over  
50μ" (1,27 μm) Ni  
**Current Rating (IDSD/TST):**  
3.4 A per pin  
(1 pin powered per row)  
**Operating Temp Range:**  
-55°C to +125°C with Gold  
-55°C to +105°C with Tin  
**Flammability Rating:** UL 94V-0  
**Withstanding Voltage:**  
1000 VRMS  
**RoHS Compliant:** Yes  
**Processing:**  
**Lead-Free Solderable:**  
Yes (HTST)  
Wave Only (TST, ZST)  
**SMT Lead Coplanarity:**  
(0,10 mm) .004" max (05-15)  
(0,15 mm) .006" max (17-36)

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  
= 10μ" (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)

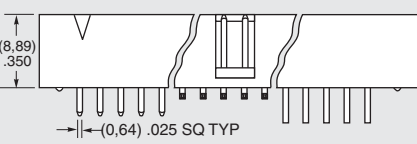
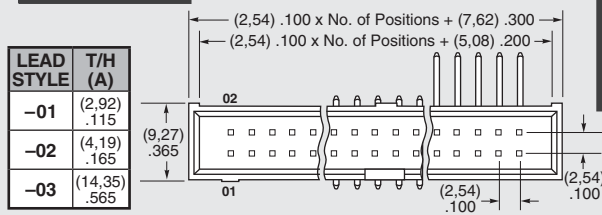
—D-RA  
= Double Row  
Right Angle  
(lead style -04  
& -05 only)

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

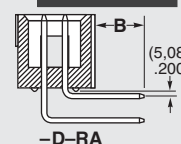
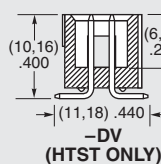
—P  
= Pick &  
Place Pad

—TR  
= Tape  
& Reel  
Packaging

| LEAD STYLE | T/H (A)      |
|------------|--------------|
| -01        | (2,92) .115  |
| -02        | (4,19) .165  |
| -03        | (14,35) .565 |



| LEAD STYLE | RIGHT ANGLE (B) |
|------------|-----------------|
| -04        | (3,30) .130     |
| -05        | (5,84) .230     |



## 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
- Contact Samtec.

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

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.)

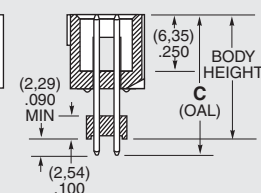
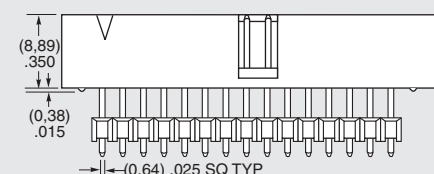
Specify  
LEAD  
STYLE  
from  
chart.

—F  
= Gold flash on post,  
Matte Tin on tail

—L  
= 10μ" (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.