



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

Current Rating (IDSD/TST):

3.4 A per pin
(1 pin powered per row)

Operating Temp Range:

Operating Temp Range:
-55°C to +125°C with Gold
-55°C to +105°C with Tin

Flammability Rating: U

Withstanding Voltage:
1000 VRMS

RoHS Compliant: Yes

Processing:

Processing:
Lead-Free Solderable:

Lead-Free
Yes (HTST)

Wave Only (TST, ZST)

SMT Lead Coplanarity:

(0,10 mm) .004" max (05-15)
(0,15 mm) .006" max (17-36)

(0,15 mm) .006" max (17-36)

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
- Contact Samtec.

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

HTST

= 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

Top view dimensions: (2,54) .100 x No. of Positions + (7,62) .300; (2,54) .100 x No. of Positions + (5,08) .200; (9,27) .365; (2,54) .100; (2,54) .100.

Side view dimensions: (0,38) .015; (8,89) .350; (0,64) .025 SQ TYP.

End view dimensions: (10,16) .400; (6,35) .250; (5,08) .200; (11,18) .440.

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

Top view dimensions: (0,38) .015.

Side view dimensions: (8,89) .350; (0,64) .025 SQ TYP.

End view dimensions: (10,16) .400; (6,35) .250; (5,08) .200; (11,18) .440.

-D

Top view dimensions: (0,38) .015.

Side view dimensions: (8,89) .350; (0,64) .025 SQ TYP.

End view dimensions: (10,16) .400; (6,35) .250; (5,08) .200; (11,18) .440.

-DV
(HTST ONLY)

Top view dimensions: (0,38) .015.

Side view dimensions: (8,89) .350; (0,64) .025 SQ TYP.

End view dimensions: (10,16) .400; (6,35) .250; (5,08) .200; (11,18) .440.

-D-RA

ZST	1	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	D	BODY HEIGHT
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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	-L	-T
= Gold flash on post, Matte Tin on tail	= 10μ" (0,25 μm) Gold on post, Matte Tin on tail	= Matte Tin

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.

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