



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

Diagram showing top view of cable strip with dimensions:

- Overall width: $(2,54) \cdot 100 \times \text{No. of Positions} + (7,62) \cdot 300$
- Pitch: $(2,54) \cdot 100 \times \text{No. of Positions} + (5,08) \cdot 200$
- Lead style 01 dimensions: $(9,27) \cdot 365$, $(2,54) \cdot 100$
- Lead style 02 dimensions: $(2,54) \cdot 100$
- Lead style 03 dimensions: $(2,54) \cdot 100$

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

Diagram showing side view of cable strip with dimensions:

- Lead height: $(8,89) \cdot 350$
- Lead width: $(0,38) \cdot 015$
- Pitch: $(0,64) \cdot 025$ SQ TYP

Diagram showing side view of cable strip with dimensions:

- Lead height: $(10,16) \cdot 400$
- Lead width: $(6,35) \cdot 250$
- Pitch: $(11,18) \cdot 440$

—DV
(HTST ONLY)

Diagram showing side view of cable strip with dimensions:

- Lead height: $(5,08) \cdot 200$
- Lead width: (B)

—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

= 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.

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