



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: 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)

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 a cable strip with dimensions:

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

Diagram showing side view of a cable strip with dimensions:

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

Diagram showing top view of a surface mount strip with dimensions:

- Lead width: $(10,16) \cdot 400$
- Lead width: $(6,35) \cdot 250$
- Lead pitch: $(11,18) \cdot 440$
- Lead pitch: $(5,08) \cdot 200$

—DV
(HTST ONLY)

Diagram showing top view of a right angle strip with dimensions:

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

—D—RA

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.

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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