



(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-O

### Withstanding Voltage:

1000 VRMS

### RoHS Compliant: Yes

### Processing:

Lead-Free Solderable:

Yes (HTST)

Wave Only (TST, ZST)

### SMT Lead Coplanarity:

(0,15 mm) .006"

## 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.

<b>TYPE STRIP</b>	<b>1</b>	<b>NO. PINS PER ROW</b>	<b>LEAD STYLE</b>	<b>PLATING OPTION</b>	<b>ROW OPTION</b>	<b>OTHER OPTION</b>
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)	-P = Pick & Place Pad -TR = Tape & Reel Packaging	Surface Mount lead style -01 only (HTST only)

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

<b>ZST</b>	<b>1</b>	<b>NO. PINS PER ROW</b>	<b>LEAD STYLE</b>	<b>PLATING OPTION</b>	<b>D</b>	<b>BODY HEIGHT</b>
		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.

Due to technical progress, all designs, specifications and components are subject to change without notice.

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