



(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.

| | | | | | | |
|--|----------|--|--------------------------------|---|--|---|
| TYPE STRIP | 1 | NO. PINS PER ROW | LEAD STYLE | PLATING OPTION | ROW OPTION | OTHER OPTION |
| TST = 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) | -D = Double Row Through-hole (lead style -01, -02 & -03 only) | Surface Mount lead style -01 only (HTST only) |
| HTST = High Temp Cable Strip | | | | -L = 10μ" (0,25 μm) Gold on post, Matte Tin on tail | -DV = Double Row Surface Mount (lead style -01 only) (HTST only) | -P = Pick & Place Pad |
| | | | | -T = Matte Tin | -D-RA = Double Row Right Angle (lead style -04 & -05 only) | -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 |

| | | | | | | |
|------------|----------|--|--------------------------------|---|----------|----------------------------------|
| 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 | | - "XXXX" = Body Height |
| | | | | -L = 10μ" (0,25 μm) Gold on post, Matte Tin on tail | | |
| | | | | -T = 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.

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

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