



(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:

Lead-Free Solderable:

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:
(8,89) .350
(0,38) .015
(0,64) .025 SQ TYP

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

Top View Dimensions:
(10,16) .400
(6,35) .250
(11,18) .440
(5,08) .200

Side View Dimensions:
(10,16) .400
(6,35) .250
(5,08) .200

Top View Dimensions:
(10,16) .400
(6,35) .250
(11,18) .440
(5,08) .200

Side View Dimensions:
(10,16) .400
(6,35) .250
(5,08) .200

Top View Dimensions:
(10,16) .400
(6,35) .250
(11,18) .440
(5,08) .200

Side View Dimensions:
(10,16) .400
(6,35) .250
(5,08) .200

–DV
(HTST ONLY)

Top View Dimensions:
(10,16) .400
(6,35) .250
(11,18) .440
(5,08) .200

Side View Dimensions:
(10,16) .400
(6,35) .250
(5,08) .200

–D–RA

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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