

# SHROUDED.025"SQ **OSTIDC HEADERS**

(2.54 mm) .100" PITCH • TST/HTST/ZST SERIES



## TST/HTST/ZST

Mates:

IDSD, HCSD

### **SPECIFICATIONS**

Insulator Material:

TST, ZST=Black Glass Filled Polyester HTST=Natural LCP Insulation Resistance: 5000 MΩ min

Terminal Material: Phosphor Bronze Plating:

Au or Sn over 50 μ" (1.27 μm) Ni **Current Rating (IDSD/TST):** 

3.4 A per pin

(2 pins powered)

Operating Temp Range:
-55 °C to +125 °C with Gold
-55 °C to +105 °C with Tin Voltage Rating:: 425 VAC/600 VDC

# **PROCESSING**

Lead-Free Solderable:

HTST=Yes TST, ZST= No, Lead Wave only **SMT Lead Coplanarity:** (0.10 mm) .004" max (05-15) (0.15 mm) .006" max (17-36)\*

\*(.004" stencil solution may be available; contact ipg@samtec.com)

# **SERIES**

**TST** 

**HTST** 

= High Temp Cable Strip

LEAD

STYLE

Cable Strip

NO. PINS **PER ROW** 

05, 07, 08, 10, 12, 13, 15, 17, 20, 25, 32, 36 (Standard sizes)

(2.54) .100 x No. of Positions + (7.62) .300

0 0 0 0

(- - - -

-DV

# STYLE

Specify LEAD

**STYLE** 

from

chart

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. . . . .

-D-RA

**LEAD** STYLE

Specify LEAD

(2.29) .090 MIN

**OPTION** 

-F = Gold flash on post, Matte Tin on tail (Not available on –DV)

**PLATING** 

= 10 µ" (0.25 µm) Gold on post, Matte Tin on tail

-T= Matte Tin

(9.27) .365

# **ROW OPTION**

-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)

#### **OTHER OPTION**

Surface Mount (lead style -01 only) (HTST only)

-P

= Pick & Place Pad

-TR = Tape & Reel

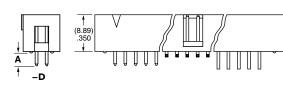
-FR

= Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks)

## (2.92) .115 (2.54) .100 x No. of Positions + (5.08) .200 --02 (4.19) .165 -03 (14.35) .565 0 0 0 0 0 . . . . . . -D

THROUGH-HOLE

(A)







LEAD STYLE	RIGHT- ANGLE (B)
-04	(3.30) .130
-05	(5.84) .230

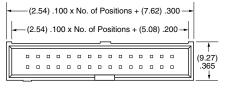
# ALSO AVAILABLE MOQ Required

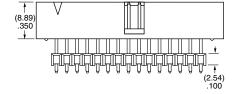
Other platings & sizes Alignment Pins Single Row Locking Leads Polarized

		08, 15,	

20, 25, 32, 36 (Standard sizes)

NO. PINS PER ROW





#### = Gold flash on post, Matte Tin on tail **STYLE** from **-L** = 10 μ" (0.25 μm) chart Gold on post,

BODY HEIGHT

(OAL)

Matte Tin on tail -T

**PLATING** 

OPTION

-F

= Matte Tin

<b>–</b> D	-	BODY HEIGHT
		<b>-"XXXX"</b> = 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.

### Note:

Some lengths, styles and options are non-standard, non-returnable. ZST is non-standard, non-returnable.

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Samtec:

ZST-110-02-L-D-540