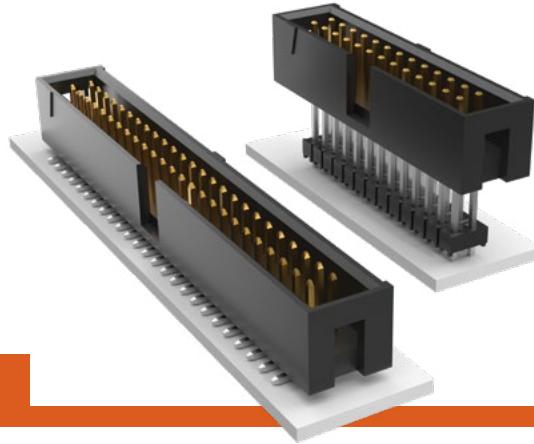


FLEX STACK

SHROUDED .025" SQ POST IDC 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)*

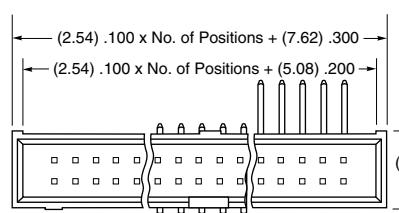
*(.004" stencil solution

may be available; contact

ipg@samtec.com

SERIES	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 = 10 μ" (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
						-FR = Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks)

LEAD STYLE	THROUGH-HOLE (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

ALSO AVAILABLE

MOQ Required

Other platings & sizes

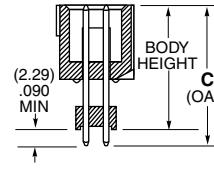
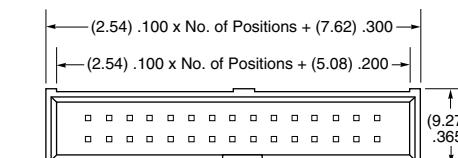
Alignment Pins

Single Row

Locking Leads

Polarized

ZST	1	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	D	BODY HEIGHT
ZST	1	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 = 10 μ" (0.25 μm) Gold on post, Matte Tin on tail		
				-T = Matte Tin		



Note:

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

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.

Mouser Electronics

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[ZST-107-01-L-D-540](#)