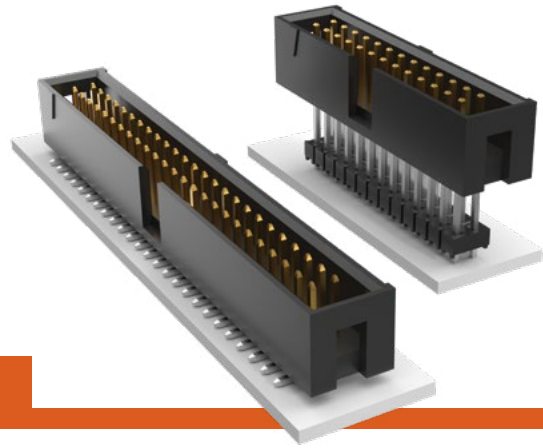


# FLEX STACK

# 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
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**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**  
= 10 μ" (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)

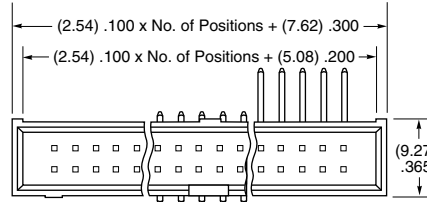
Surface Mount  
(lead style  
-01 only)  
(HTST only)

**-P**  
= Pick &  
Place Pad

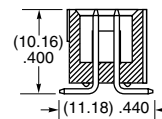
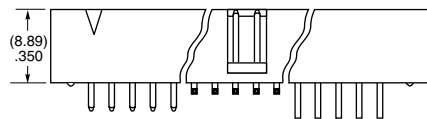
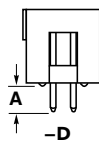
**-TR**  
= Tape & Reel

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

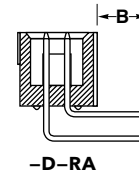
LEAD STYLE	THROUGH-HOLE (A)
-01	(2.92) .115
-02	(4.19) .165
-03	(14.35) .565



**-D -DV -D-RA**



**-DV (HTST ONLY)**



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
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**ALSO AVAILABLE**  
MOQ Required

Other platings & sizes

Alignment Pins

Single Row

Locking Leads

Polarized

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

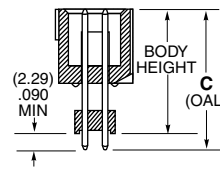
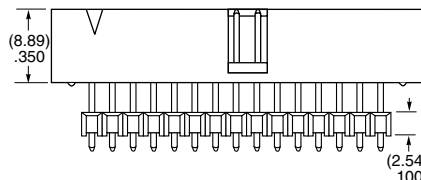
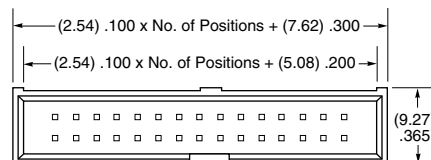
**Specify  
LEAD  
STYLE  
from  
chart**

**-F**  
= Gold flash on post,  
Matte Tin on tail

**-L**  
= 10 μ" (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.

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

[samtec.com?TST](http://samtec.com?TST), [samtec.com?HTST](http://samtec.com?HTST) or [samtec.com?ZST](http://samtec.com?ZST)

F-221 (Rev 01Mar21)

Unless otherwise approved in writing by Samtec, all parts and components are designed and built according to Samtec's specifications which are subject to change without notice.

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