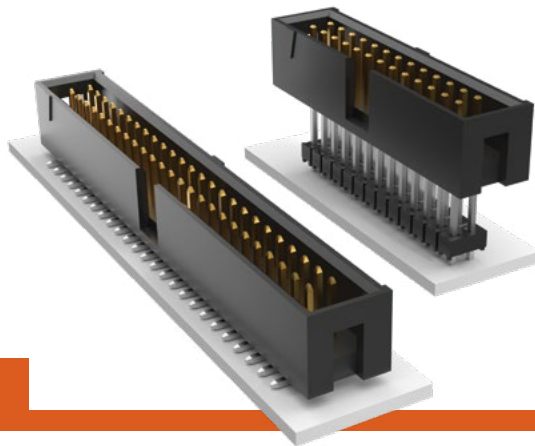


FLEX STACK

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)

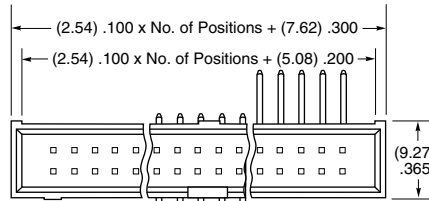
Surface Mount
(lead style
-01 only)
(HTST only)

-P
= Pick &
Place Pad

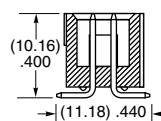
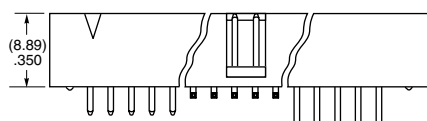
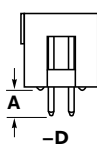
-TR
= Tape & Reel

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

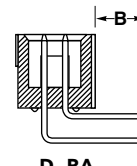
LEAD STYLE	THROUGH-HOLE (A)
-01	(2.92) .115
-02	(4.19) .165
-03	(14.35) .565



-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)

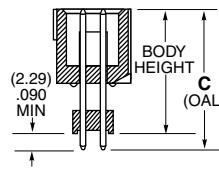
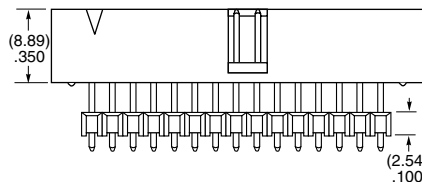
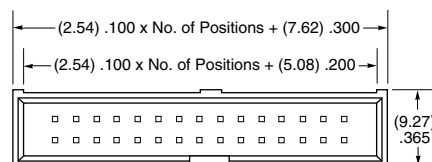
**Specify
LEAD
STYLE
from
chart**

-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, samtec.com?HTST or 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.