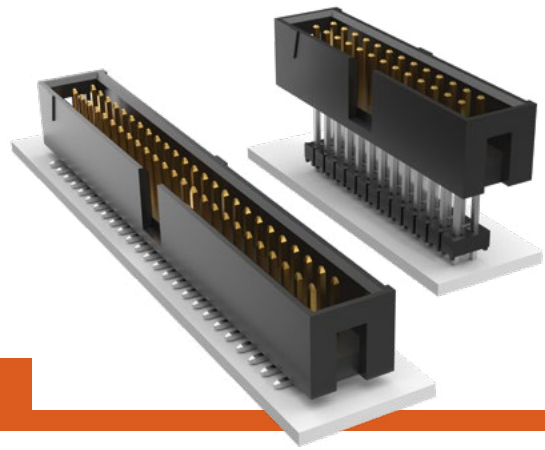


FLEX STACK

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

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)

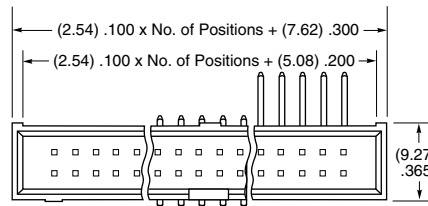
Surface Mount (lead style -01 only) (HTST only)

-P
= Pick & Place Pad

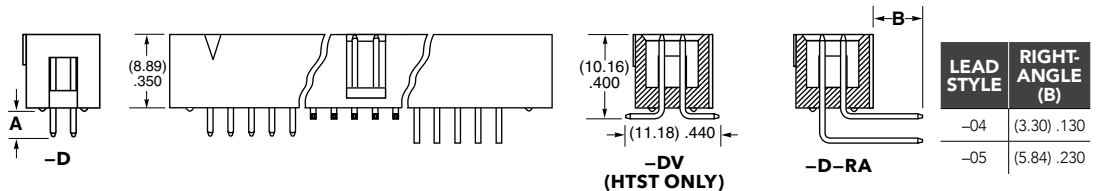
-TR
= Tape & Reel

-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



| 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)

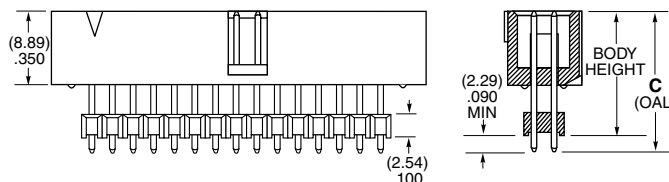
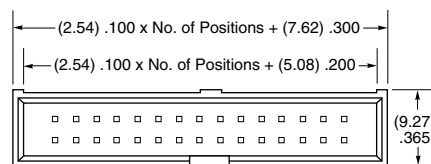
Specify LEAD STYLE from chart

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

-L
= 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.

ALSO AVAILABLE MOQ Required

Other platings & sizes

Alignment Pins

Single Row

Locking Leads

Polarized

Note:

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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Samtec:](#)

[TST-105-03-L-D](#)