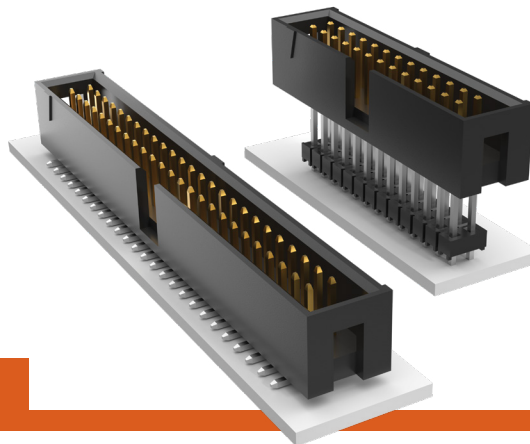


# SHROUDED .025" SQ POST IDC HEADERS

(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

#### Terminal Material:

Phosphor Bronze

#### Plating:

Au or Sn over  
50 μ" (1.27 μm) Ni

#### Operating Temp Range:

-55 °C to +125 °C with Gold

-55 °C to +105 °C with Tin

#### Current Rating:

3.4 A per pin  
(2 pins powered)

#### 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)

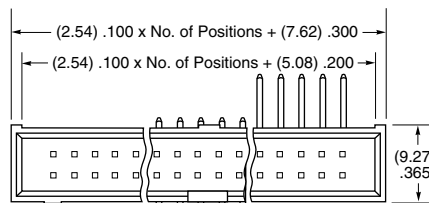
Surface Mount  
(lead style  
-01 only)  
(HTST only)

**-P**  
= Pick &  
Place Pad

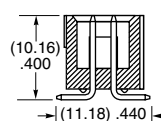
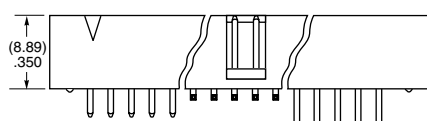
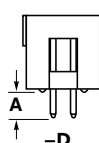
**-TR**  
= Tape & Reel

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

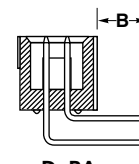
| LEAD STYLE | THROUGH-HOLE (A) |
|------------|------------------|
| -01        | (2.92) .115      |
| -02        | (4.19) .165      |
| -03        | (14.35) .565     |



-D -DV -D-RA



-DV (HTST ONLY)



-D-RA

| 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 |
|-----|---|------------------|------------|----------------|---|-------------|
|-----|---|------------------|------------|----------------|---|-------------|

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

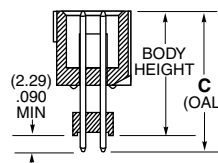
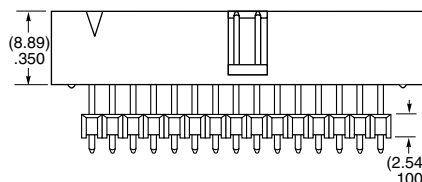
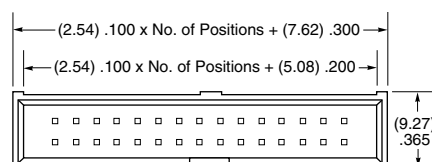
**Specify  
LEAD  
STYLE  
from  
chart**

**-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 Contact Samtec

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.