



(2.54 mm) .100"

TSS, HTSS, ZSS SERIES

SHROUDED .025" SQ POST HEADERS

Mates with:
SSW, SSQ, ESW, ESQ,
SSM, BCS

SPECIFICATIONS

For complete specifications see www.samtec.com?TSS, www.samtec.com?HTSS or www.samtec.com?ZSS

Insulator Material:

TSS, ZSS: Black Glass
Filled Polyester

HTSS: Natural PCT

Insulation Resistance:

5000 MΩ min

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

Flammability Rating:

UL 94V-O

Withstanding Voltage:

1000 VRMS

RoHS Compliant: Yes

PROCESSING

Lead-Free Solderable:

HTSS: Yes

TSS, ZSS: Wave Only

SMT Lead Coplanarity:

(0.15 mm) .006" max*
*(.004" stencil solution may be available; contact IPG@samtec.com)

RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality



OTHER SOLUTIONS

- Shrouded IDC headers and stackers to mate with IDSD Series. See TST, HTST and ZST Series.

ALSO AVAILABLE (MOQ Required)

- Other sizes
- Other platings
- Alignment Pins
- Single Row
- Locking Leads
- Polarized

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

| | | | | | |
|---------------------------------|----------|--|---------------------------------------|--|---|
| TYPE STRIP | 1 | NO. PINS PER ROW | LEAD STYLE | PLATING OPTION | ROW OPTION |
| TSS = Connector Strip | | 03 (TSS only) 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) (HTSS only) -D-RA = Double Row Right-angle (lead style -04 & -05 only) |

| LEAD STYLE | T/H (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 |

| | | | | | | |
|------------|----------|---|---------------------------------------|--|----------|----------------------------------|
| ZSS | 1 | NO. PINS PER ROW | LEAD STYLE | PLATING OPTION | D | BODY HEIGHT |
| | | 03, 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.

Due to technical progress, all designs, specifications and components are subject to change without notice.

WWW.SAMTEC.COM

All parts within this catalog are built to Samtec's specifications.

Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.

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