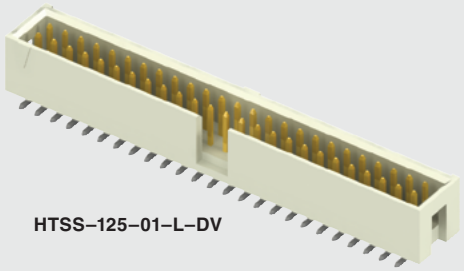
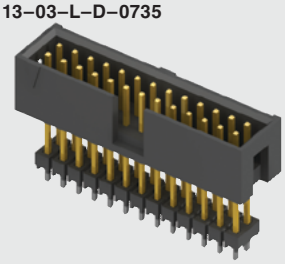
samtec

FLEX STACK



ZSS–113–03–L–D–0735



(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

FILE NO. E111594

OTHER SOLUTIONS

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

ALSO AVAILABLE (MOQ Required)

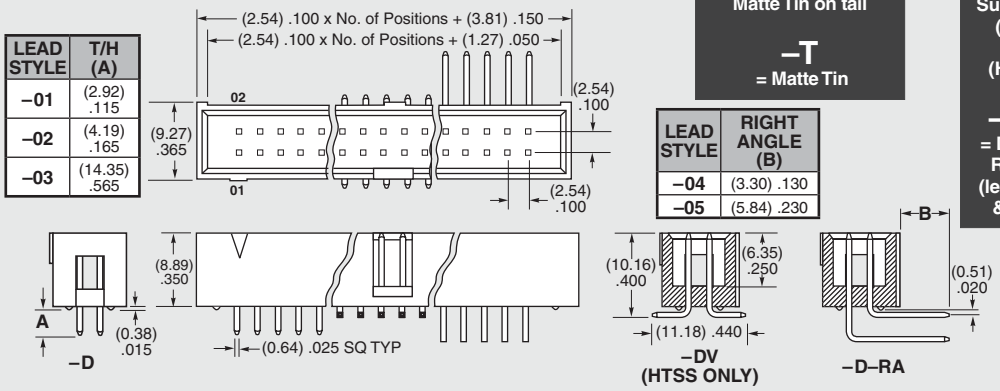
- Other sizes
- Other platings
- Alignment Pins
- Single Row
- Locking Leads
- Polarized

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

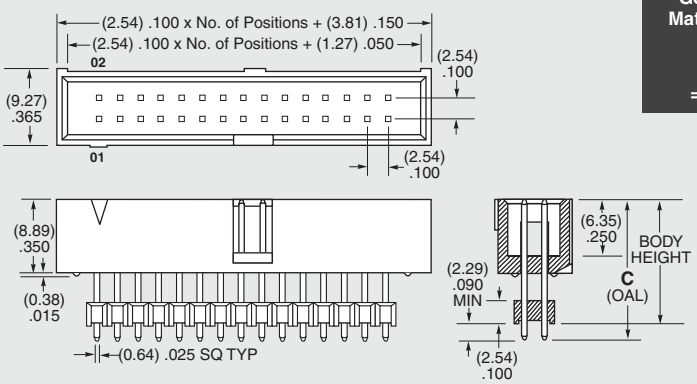
TYPE STRIP	1	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	ROW OPTION
TSS = Connector Strip **HTSS** = High Temp Connector Strip		**03** (TSS only) **05, 07, 08, 10, 12, 13, 15, 17, 20, 25, 32, 36** (Standard sizes)	Specify LEAD STYLE from chart.	**–F** = Gold flash on post, Matte Tin on tail (Not available 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.

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.