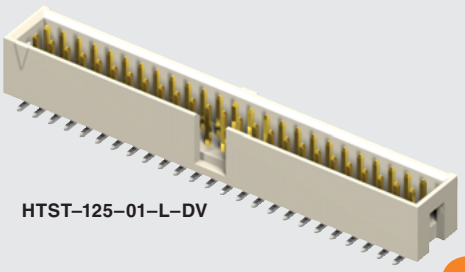
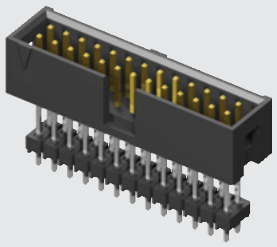
samtec

FLEX STACK



ZST–113–03–L–D–0735



(2,54 mm) .100"

TST, HTST, ZST SERIES

SHROUDED .025" SQ POST IDC HEADERS

Mates with:
IDSD, SMSD

SPECIFICATIONS

For complete specifications
www.samtec.com?TST,
www.samtec.com?HTST or
www.samtec.com?ZST

Insulator Material:
Black Glass Filled Polyester (TST, ZST)
Natural PCT (HTST)
Insulation Resistance:
5000 MΩ min
Terminal Material:
Phosphor Bronze
Plating: Au or Sn over 50µ" (1,27 µm) Ni
Current Rating (IDSD/TST):
3.4 A per pin
(1 pin powered per row)
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:
Yes (HTST)
Wave Only (TST, ZST)
SMT Lead Coplanarity:
(0,10 mm) .004" max (05-15)
(0,15 mm) .006" max (17-36)

RECOGNITIONS

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

FILE NO. E111594

OTHER SOLUTIONS

- Shrouded board-to-board headers and stackers to mate with SSW, SSQ, ESW, ESQ, SSM and BCS Series. See TSS, HTSS and ZSS Series.

ALSO AVAILABLE
(MOQ Required)

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

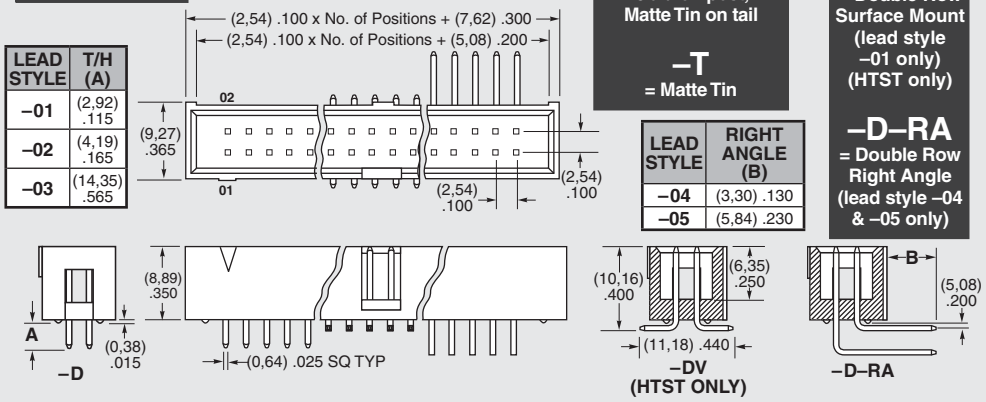
Contact Samtec.

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

TYPE STRIP	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** = 10µ" (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 Packaging

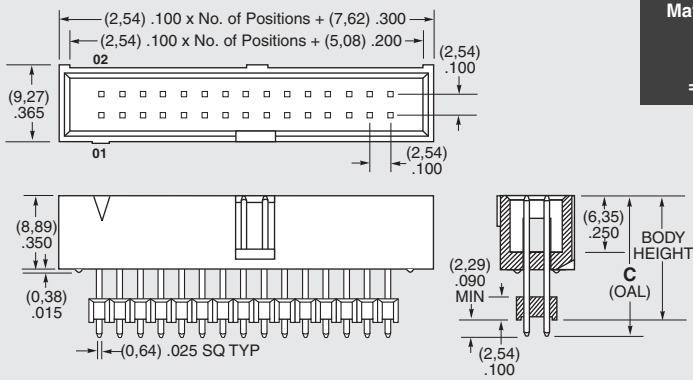
LEAD STYLE	T/H (A)
–01	(2,92) .115
–02	(4,19) .165
–03	(14,35) .565

LEAD STYLE	RIGHT ANGLE (B)
–04	(3,30) .130
–05	(5,84) .230



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** = 10µ" (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.