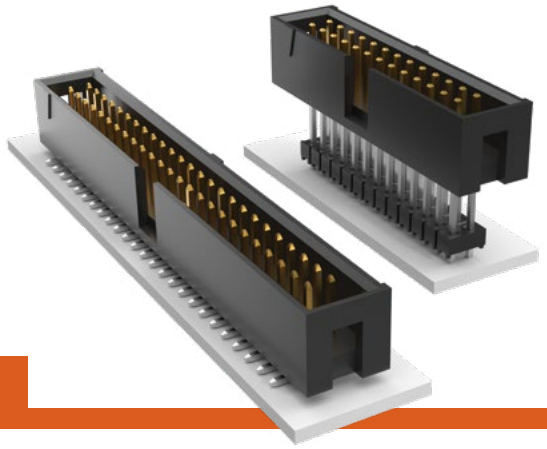
FLEX STACK

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)

ALSO AVAILABLE
MOQ Required

Other platings & sizes
Alignment Pins
Single Row
Locking Leads
Polarized

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)

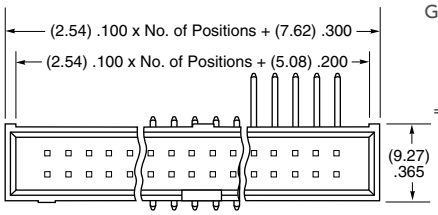
Surface Mount (lead style –01 only)
(HTST only)

–P
= Pick & Place Pad

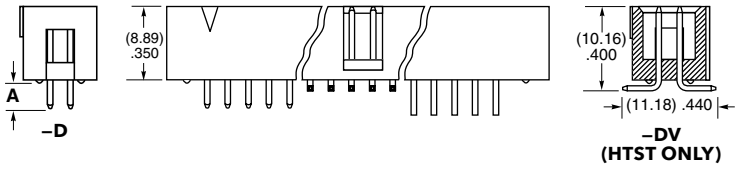
–TR
= Tape & Reel

–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



–D –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)

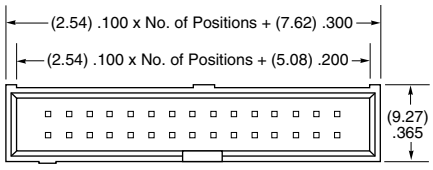
Specify LEAD STYLE from chart

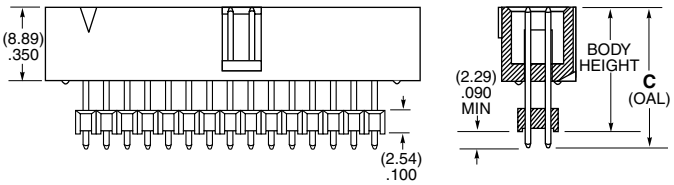
–F
= Gold flash on post, Matte Tin on tail

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

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.

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