

(0,50 mm) .0197"

ST5-20-1.50-L-D-P-TR

ST5-20-1.00-L-D-P-TR

ST5-10-1.00-L-D-P-TR

ST5 SERIES

ULTRA FINE PITCH HEADER

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?ST5

Insulator Material:

Black LCP

Contact Material:

Phosphor Bronze

Plating:

Au or Sn over

50µ" (1,27 µm) Ni

Operating Temp Range:

-55°C to +125°C

Current Rating:

1.5 A per pin

(1 pin powered per row)

RoHS Compliant:

Yes

Processing:

Lead-Free Solderable:

Yes

SMT Lead Coplanarity:

(0,10 mm) .004" max

Mates with:

SS5

Ultra-fine
(0,50 mm)
.0197" pitch

Stack heights of 4 mm,
4.5 mm & 5 mm

Narrow body
design saves
space on board

28⁺
G b p s

SS5/ST5 5 mm Stack Height	Rated @ 3dB Insertion Loss*
Single-Ended Signaling	13.5 GHz / 27 Gbps
Differential Pair Signaling	20 GHz / 40 Gbps

*Test board losses de-embedded from performance data.
Performance data for other stack heights and complete test data available at www.samtec.com?ST5 or contact sig@samtec.com

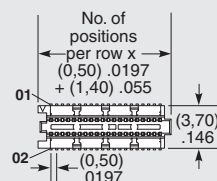
ALSO AVAILABLE (MOQ Required)

- Other lead styles
- Contact Samtec.

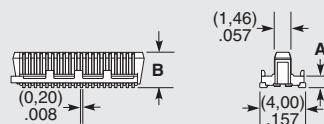
ST5	NO. OF POSITIONS	LEAD STYLE	PLATING OPTION	D	P	TR
	-10, -15, -20, -30, -40, -50, -60, -70, -80 (Per Row)	-1.00 = 1.00 mm -1.50 = 1.50 mm	-L = 10µ" (0,25 µm) Gold on contact, Matte Tin on tail	(Required in callout)	-P = Pick & Place Pad	(Required in callout) -TR = Tape & Reel

MATED HEIGHT*		
ST5 LEAD STYLE	SS5 LEAD STYLE	
	-3.00	-3.50
-1.00	(4,00) .157	(4,50) .177
-1.50	(4,50) .177	(5,00) .197

*Processing conditions will affect mated height.



LEAD STYLE	A	B
-1.00	(1,00) .039	(3,08) .121
-1.50	(1,50) .059	(3,58) .141



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

Mouser Electronics

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[ST5-70-1.50-L-D-P-TR](#)