

MICRO BLADE & BEAM SOCKET & HEADER

(0.50 mm) .0197" PITCH • SS5/ST5 SERIES

PAM 4

56
Gbps

SS5
Mates:
ST5

ST5
Mates:
SS5

SPECIFICATIONS

Insulator Material:

Black LCP

Contact Material:

Phosphor Bronze

Plating:

Au or Sn over

50 μ" (1.27 μm) Ni

Operating Temp Range:

-55 °C to +125 °C

Current Rating:

1.6 A per pin

(2 pins powered)

PROCESSING

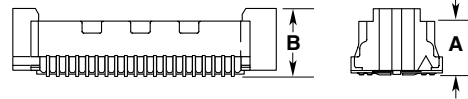
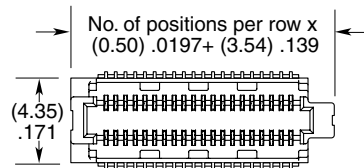
Lead-Free Solderable:

Yes

SMT Lead Coplanarity:

(0.10 mm) .004" max

SS5	NO. OF POSITIONS	LEAD STYLE	PLATING OPTION	D	K	"X"R
	-10, -15, -20, -30, -40, -50, -60, -70, -80 (Per Row)	-3.00 = 3.00 mm -3.50 = 3.50 mm	-L = 10 μ" (0.25 μm) Gold on contact, Matte Tin on tail		(Required in callout) -K = (3.50 mm) .138" DIA Polyimide Film Pick & Place Pad	(Required in callout) -TR = Tape & Reel -FR = Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks)



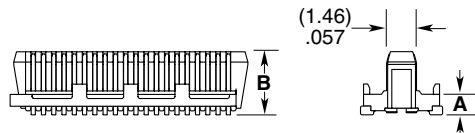
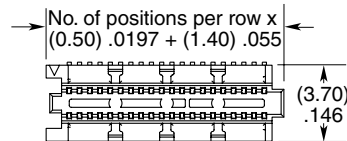
LEAD STYLE	A	B
-3.00	(2.85) .112	(3.50) .138
-3.50	(3.35) .132	(4.00) .157

MATED HEIGHT *

ST5 LEAD STYLE	SS5 LEAD STYLE
-1.00	(4.00 mm) .157"
-1.50	(4.50 mm) .177"

*Processing conditions will affect mated height.

ST5	NO. OF POSITIONS	LEAD STYLE	PLATING OPTION	D	P	"X"R
	-10, -15, -20, -30, -40, -50, -60, -70, -80 (Per Row)	-1.00 = 1.00 mm -1.50 = 1.50 mm	-L = 10 μ" (0.25 μm) Gold on contact, Matte Tin on tail		(Required in callout) -P = Pick & Place Pad	(Required in callout) -TR = Tape & Reel -FR = Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks)



LEAD STYLE	A	B
-1.00	(1.00) .039	(3.08) .121
-1.50	(1.50) .059	(3.58) .141

ALSO AVAILABLE

Other lead styles
(MOQ Required)

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

samtec.com?SS5 or samtec.com?ST5

F-221

Unless otherwise approved in writing by Samtec, all parts and components are designed and built according to Samtec's specifications which are subject to change without notice.

Mouser Electronics

Authorized Distributor

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Samtec:

[ST5-80-1.00-L-D-P-TR](#) [ST5-60-1.00-L-D-P-TR](#) [ST5-80-1.50-L-D-P-TR](#) [ST5-20-1.50-L-D-P-TR](#) [ST5-50-1.00-L-D-P-TR](#) [ST5-40-1.50-L-D-P-TR](#) [ST5-10-1.00-L-D-P-TR](#) [ST5-20-1.00-L-D-P-TR](#) [ST5-30-1.50-L-D-P-TR](#) [ST5-40-1.00-L-D-P-TR](#) [ST5-30-1.00-L-D-P-TR](#) [ST5-50-1.50-L-D-P-TR](#) [ST5-15-1.00-L-D-P-TR](#) [ST5-10-1.50-L-D-P-TR](#) [ST5-60-1.50-L-D-P-TR](#) [ST5-70-1.00-L-D-P-TR](#) [ST5-15-1.50-L-D-P-TR](#) [ST5-70-1.50-L-D-P-TR](#)