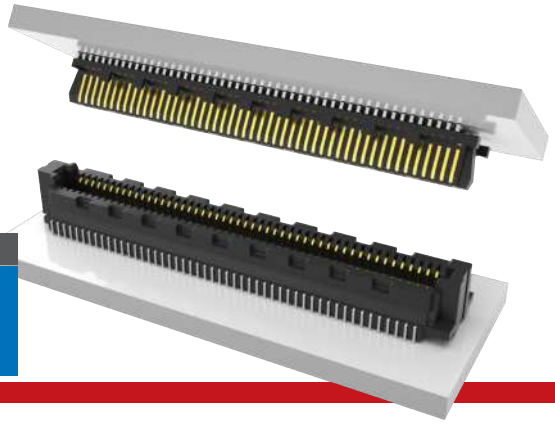
MICRO BLADE & BEAM SOCKET & HEADER

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

PAM4 56 Gbps



SS5
Mates:
ST5

ST5
Mates:
SS5

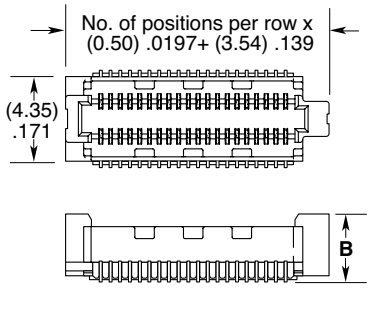
SPECIFICATIONS

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:
1.5 A per pin
(2 pins powered)
Voltage Rating:
200 VAC/283 VDC

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

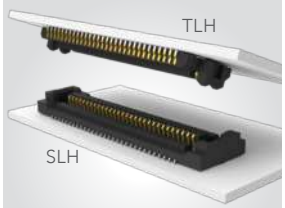
MATED HEIGHT *

ST5 LEAD STYLE	SS5 LEAD STYLE	
	–3.00	–3.50
–1.00	(4.00 mm) .157"	(4.50 mm) .177"
–1.50	(4.50 mm) .177"	(5.00 mm) .197"

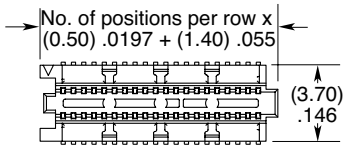
*Processing conditions will affect mated height.

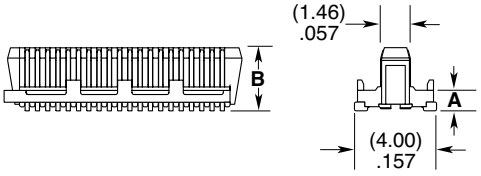
ST5	–	NO. OF POSITIONS	–	LEAD STYLE	–	PLATING OPTION	–	D	–	P	–	"X"R
		–10, –15, –20, –30, –40, –50, –60, –70, –80 (Per Row)		–1.00 = 1.00 mm –1.50 = 1.50 mm		–L = 10 µ" (0.25 µm) Gold on contact, Matte Tin on tail				(Required in callout) –P = Pick & Place Pad		(Required in callout) –TR = Tape & Reel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

OTHER SOLUTIONS



Ultra-low profile options:
www.samtec.com?SLH
www.samtec.com?TLH





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

ALSO AVAILABLE
Contact Samtec

Other lead styles

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

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.