

SS4-40-3.00-L-D-K-TR

ST4-20-1.00-L-D-P-TR

SS4-20-3.00-L-D-K-TR

ST4-40-1.00-L-D-P-TR

(0.40 mm) .0158"

SS4, ST4 SERIES

MICRO BLADE & BEAM SOCKET & HEADER

SS4 Mates with:

ST4

ST4 Mates with:

SS4

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?SS4 or www.samtec.com?ST4

Insulator Material:

Black LCP

Contact Material:

Phosphor Bronze

Plating:

Au or Sn over

50 μ " (1.27 μ m) Ni

Current Rating:

1.6 A per pin

(2 pins powered)

Operating Temp Range:

-55 °C to +125 °C

RoHS Compliant:

Yes

PROCESSING

Lead-Free Solderable:

Yes

SMT Lead Coplanarity:

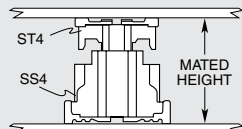
(0.10 mm) .004" max

RECOGNITIONS

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



MATED HEIGHT

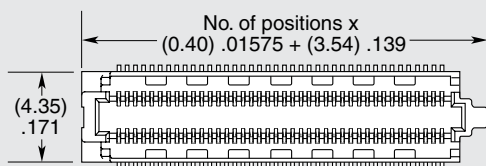


MATED HEIGHT*		
ST4 LEAD STYLE	SS4 LEAD STYLE	
	-3.00	-3.50
-1.00	(4.00) .157	(4.50) .177
-1.50	(4.50) .177	(5.00) .197
-2.50	(5.50) .217	(6.00) .236

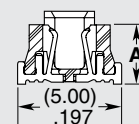
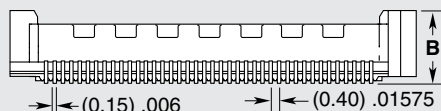
*Processing conditions will affect mated height.

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

SS4	POSITIONS PER ROW	LEAD STYLE	PLATING OPTION	D	K	TR
	-10, -20, -30, -40, -50	-3.00 = 3.00 mm -3.50 = 3.50 mm	-L = 10 μ " (0.25 μ m) 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



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



HIGH-SPEED CHANNEL PERFORMANCE

SS4/ST4 @ 4 mm Mated Stack Height

Rating based on Samtec reference channel.
For full SI performance data visit Samtec.com
or contact SIG@samtec.com

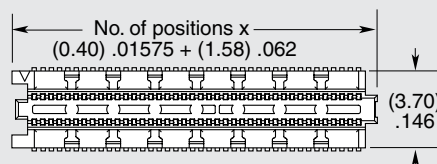
28
Gbps

POWER/SIGNAL APPLICATION

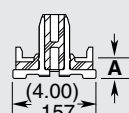
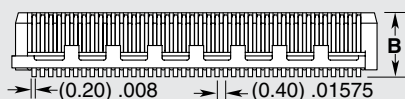


Compatible with
UMPT/UMPS for flexible
two-piece power/signal solutions

ST4	POSITIONS PER ROW	LEAD STYLE	PLATING OPTION	D	P	TR
	-10, -20, -30, -40, -50	-1.00 = 1.00 mm -1.50 = 1.50 mm -2.50 = 2.50 mm	-L = 10 μ " (0.25 μ m) Gold on contact, Matte Tin on tail		(Required in callout) -P = Pick & Place Pad	(Required in callout) -TR = Tape & Reel



LEAD STYLE	A	B
-1.00	(1.00) .039	(3.08) .121
-1.50	(1.50) .059	(3.58) .141
-2.50	(2.50) .098	(4.58) .180



Due to technical progress, all designs, specifications and components are subject to change without notice.

WWW.SAMTEC.COM

All parts within this catalog are built to Samtec's specifications.

Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.