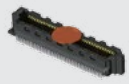
samtec

RAZOR™ BEAMLP SYSTEM

(0.40 mm) .0158"


SS4–40–3.00–L–D–K–TR


ST4–20–1.00–L–D–P–TR


ST4–40–1.00–L–D–P–TR


SS4–20–3.00–L–D–K–TR

SS4, ST4 SERIES

ULTRA-FINE PITCH 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 µm) Ni
Current Rating:
1.6 A per pin
(2 pins powered)
Operating Temp Range:
-55 °C to +125 °C
RoHS Compliant:
Yes

PROCESSING

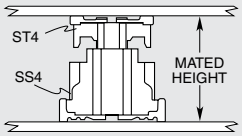
Lead-Free Solderable:
Yes
SMT Lead Coplanarity:
(0.10 mm) .004" max

RECOGNITIONS

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

FILE NO. E111594

MATED HEIGHT



MATED HEIGHT*		
ST4 LEAD STYLE	SS4 LEAD STYLE –3.00	SS4 LEAD STYLE –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

POSITIONS PER ROW: –10, –20, –30, –40, –50

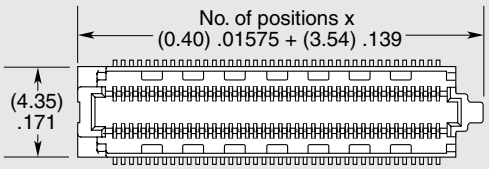
LEAD STYLE:
–3.00 = 3.00 mm
–3.50 = 3.50 mm

PLATING OPTION:
–L = 10 µ" (0.25 µm) Gold on contact, Matte Tin on tail

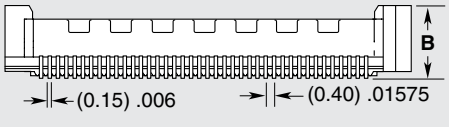
D

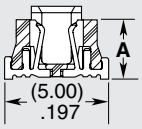
K (Required in callout)
–K = (3.50 mm) .138" DIA Polyimide Film Pick & Place Pad

TR (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

POSITIONS PER ROW: –10, –20, –30, –40, –50

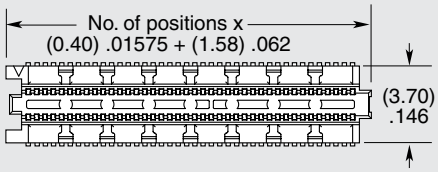
LEAD STYLE:
–1.00 = 1.00 mm
–1.50 = 1.50 mm
–2.50 = 2.50 mm

PLATING OPTION:
–L = 10 µ" (0.25 µm) Gold on contact, Matte Tin on tail

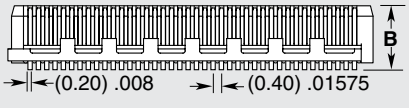
D

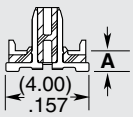
P (Required in callout)
–P = Pick & Place Pad

TR (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.

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.