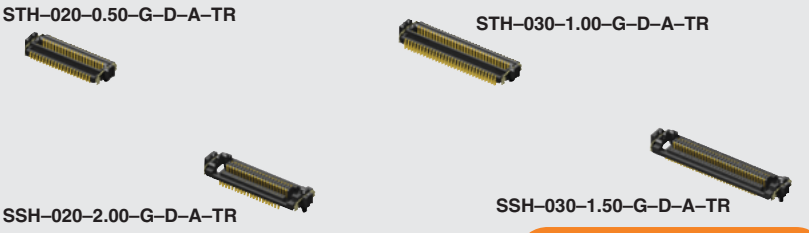
samtec

RAZOR BEAM™ SYSTEM LP

(0,50 mm) .0197"



SSH, STH SERIES

ULTRA LOW PROFILE HEADER & SOCKET

SSH Mates with:
STH

STH Mates with:
SSH

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?SSH or www.samtec.com?STH

Insulator Material:
Black Liquid Crystal Polymer
Contact Material:
Copper Alloy
Weld Tab:
Bronze
Plating:
Au over 50µ" (1,27 µm) Ni
Current Rating:
1.8 A per pin
(1 pin powered per row)
Operating Temp Range:
-55°C to +125°C
RoHS Compliant:
Yes

Processing:

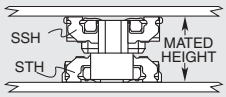
Lead–Free Solderable:
Yes
SMT Lead Coplanarity:
(0,10 mm) .004" max

RECOGNITIONS

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

FILE NO. E111594

MATED HEIGHT



MATED HEIGHT*		
SSH LEAD STYLE	STH LEAD STYLE	
	–0.50	–1.00
–1.50	(2,00) .079	(2,50) .098
–2.00	(2,50) .098	(3,00) .118

*Processing conditions will affect mated height.

Note: Patent Pending

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

SSH – NO. OF POSITIONS – LEAD STYLE – PLATING OPTION – D – OPTION – TR

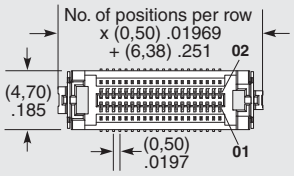
NO. OF POSITIONS: –010, –020, –030 (Per Row)

LEAD STYLE:
–1.50 = 1.50 mm
–2.00 = 2.00 mm

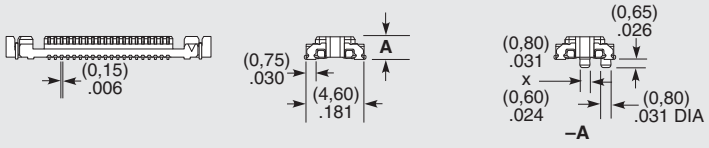
PLATING OPTION:
–G = 10µ" (0,25 µm) Gold

OPTION:
–A = Alignment Pin
–K = (3,00 mm) .118" DIA Polyimide Film Pick & Place Pad

TR:
–TR = Tape & Reel



LEAD STYLE	A
–1.50	(1,83) .072
–2.00	(2,33) .092



SSH/STH 2 mm Stack Height	Rated @ 3dB Insertion Loss*
Single-Ended Signaling	18.5 GHz / 37 Gbps
Differential Pair Signaling	16.5 GHz / 33 Gbps

*Test board losses de-embedded from performance data.

Performance data for other stack heights and complete test data available at www.samtec.com?SSH, www.samtec.com?STH or contact sig@samtec.com

28+ Gbps

STH – NO. OF POSITIONS – LEAD STYLE – PLATING OPTION – D – OPTION – TR

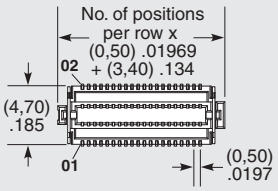
NO. OF POSITIONS: –010, –020, –030 (Per Row)

LEAD STYLE:
–0.50 = 0.50 mm
–1.00 = 1.00 mm

PLATING OPTION:
–G = 10µ" (0,25 µm) Gold

OPTION:
–A = Alignment Pin
–K = (3,00 mm) .118" DIA Polyimide Film Pick & Place Pad

TR:
–TR = Tape & Reel



LEAD STYLE	A
–0.50	(1,43) .056
–1.00	(1,93) .076