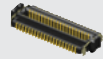


STH-020-0.50-G-D-A-TR



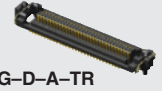
STH-030-1.00-G-D-A-TR



SSH-020-2.00-G-D-A-TR



SSH-030-1.50-G-D-A-TR



SSH, STH SERIES

(0,50 mm) .0197"

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

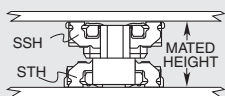
RECOGNITIONS

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



FILE NO. E111594

MATED HEIGHT



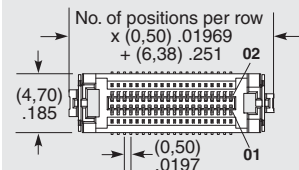
MATED HEIGHT*		
SSH LEAD STYLE	STH LEAD STYLE	
	-0.50	-1.00
-1.50	(2,00) .079	(2,50) .098
-2.00	(2,50) .098	(3,00) .118

*Processing conditions will affect mated height.

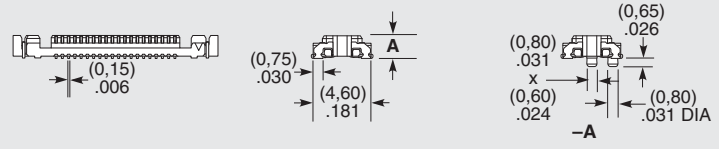
Note: Patent Pending

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

SSH	NO. OF POSITIONS	LEAD STYLE	PLATING OPTION	D	OPTION	TR
	-010, -020, -030 (Per Row)	-1.50 = 1.50 mm -2.00 = 2.00 mm	-G = 10µ" (0,25 µm) Gold		-A = Alignment Pin -K = (3,00 mm) .118" DIA Polyimide Film Pick & Place Pad	-TR = Tape & Reel



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

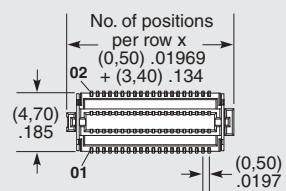


SSH/STH 2 mm Stack Height	Rated @ 3dB Insertion Loss*
Single-Ended Signaling	18.5 GHz / 37 Gbps
Differential Pair Signaling	16.5 GHz / 33 Gbps

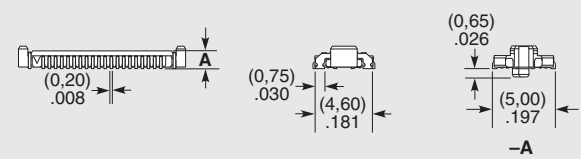
*Test board losses de-embedded from performance data.
Performance data for other stack heights and complete test data available at www.samtec.com?SSH, www.samtec.com?STH or contact sig@samtec.com

28+
Gbps

STH	NO. OF POSITIONS	LEAD STYLE	PLATING OPTION	D	OPTION	TR
	-010, -020, -030 (Per Row)	-0.50 = 0.50 mm -1.00 = 1.00 mm	-G = 10µ" (0,25 µm) Gold		-A = Alignment Pin -K = (3,00 mm) .118" DIA Polyimide Film Pick & Place Pad	-TR = Tape & Reel



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



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[LSP0600AJR-S](#) [LSP0600BJR-S](#) [LSP0900AJR-S](#) [LSP0900BJR-S](#) [LSP1300AJR-S](#) [LSP1300BJR-S](#) [LSP1800AJR-S](#) [LSP1800BJR-S](#)
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[LSP05G277PX3316](#) [LSP05G277PX3333](#) [LSP05G277S](#) [LSP05GI240S](#) [LSP05GI277P](#) [LSP05GI120S](#) [LSP05GI277PHX3333](#) [LSP05GI277S](#)
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[PLED18UQ12](#)