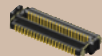


(0,50 mm) .0197"

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



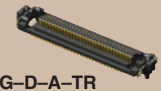
STH-030-1.00-G-D-A-TR



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



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



SSH, STH SERIES

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

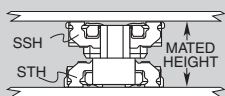
RECOGNITIONS

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



FILE NO. E111594

MATED HEIGHT



MATED HEIGHT*

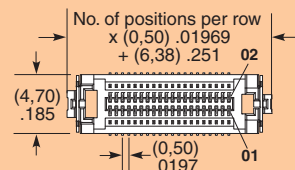
SSH LEAD STYLE	STH LEAD STYLE	
	-0.50	-1.00
-1.50	(2,00) .079	(2,50) .098
-2.00	(2,50) .098	(3,00) .118

*Processing conditions will affect mated height.

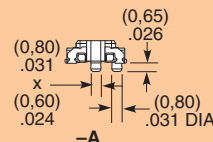
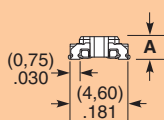
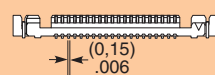
Note: Patent Pending

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



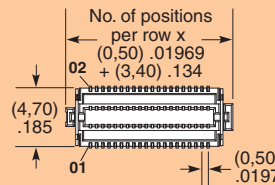
SSH/STH 2 mm Stack Height	Rated @ 3dB Insertion Loss*
Single-Ended Signaling	18.5 GHz / 37 Gbps
Differential Pair Signaling	16.5 GHz / 33 Gbps

*Test board losses de-embedded from performance data.

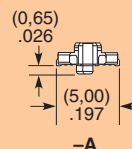
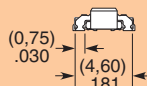
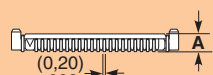
Performance data for other stack heights and complete test data available at www.samtec.com?SSH, www.samtec.com?STH or contact sig@samtec.com

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



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

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