

LSHM-DH, LSHM-RH SERIES

(0.50 mm) .0197"

HIGH-SPEED HERMAPHRODITIC STRIP

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?LSHM

- Insulator Material:** Black Liquid Crystal Polymer
- Contact Material:** Phosphor Bronze
- Plating:** Au or Sn over 50 μ" (1.27 μm) Ni
- Current Rating:** 1.9 A per pin (2 adjacent pins powered)
- Operating Temp Range:** -55 °C to +125 °C
- RoHS Compliant:** Yes

Board Mates:
LSHM

Cable Mates:
HLCD

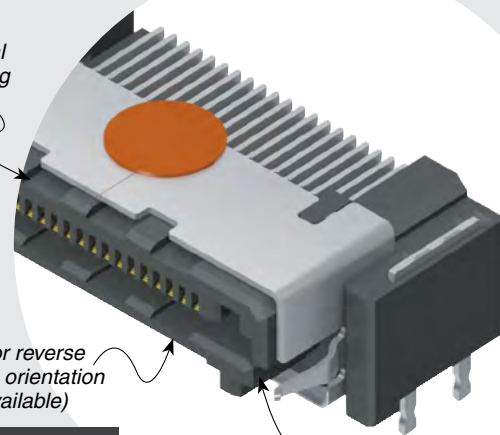
RUGGEDIZED
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- High retention contacts
- Audible click when mated
- Shrouded

Optional shielding

Standard or reverse right-angle orientation (vertical available)

Suitable for coplanar and perpendicular applications



Audible click when mated properly

PROCESSING

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

HIGH-SPEED CHANNEL PERFORMANCE

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

19
Gbps

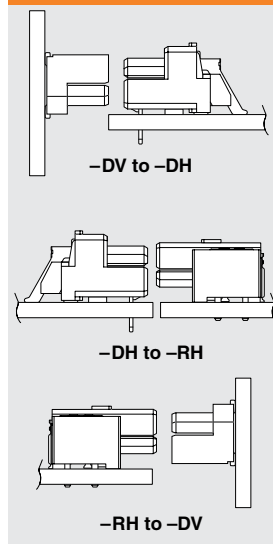
RECOGNITIONS

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



LSHM	1	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	TAIL OPTION	A	SHIELD OPTION	K	TR
		05, 10, 20, 30, 40, 50	-01 = Standard -L1 = Lubricated	-F = Gold flash on contact, Matte Tin on tail -L = 10 μ" (0.25 μm) Gold on contact, Matte Tin on tail	-DH = Right-angle -RH = Reverse Right-angle		-S = With Shield -N = Without Shield	-K = (3.50 mm) .138" DIA Polyimide film Pick & Place Pad	-TR = Tape & Reel

APPLICATION



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

