

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](http://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



- 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
- Board Stacking:** For applications requiring two or more connectors per board, contact [ipg@samtec.com](mailto:ipg@samtec.com)

## HIGH-SPEED CHANNEL PERFORMANCE

LSHM-DH/LSHM-DH  
Rating based on Samtec reference channel.  
For full SI performance data visit [Samtec.com](http://Samtec.com) or contact [SIG@samtec.com](mailto:SIG@samtec.com)

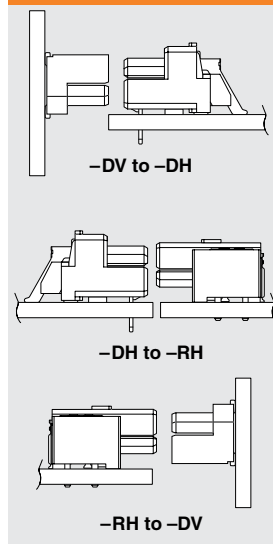
19  
Gbps

## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



## APPLICATION



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

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
		<p>-DH-S</p>			<p>-RH-S</p>				
		<p>-DH-N</p>			<p>-RH-N</p>				