

(0.50 mm) .0197"

LSHM-DH, LSHM-RH SERIES

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

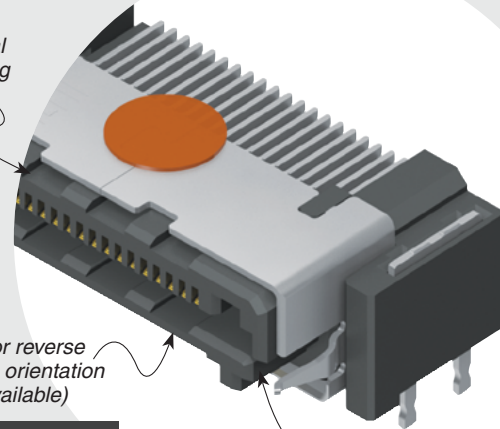


- High retention contacts
- Audible click when mated
- Shrouded

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

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

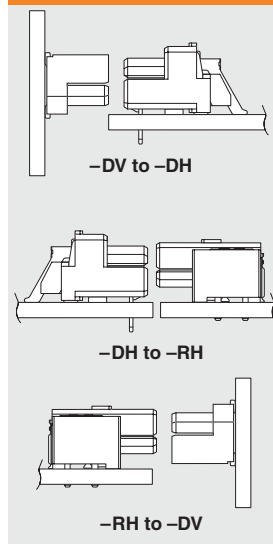
14
Gbps

RECOGNITIONS

For complete scope of recognitions see 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>				

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

WWW.SAMTEC.COM

All parts within this catalog are built to Samtec's specifications.
Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.