

(0.50 mm) .0197"

LSHM-150-01-L-DH-A-S-K-TR

LSHM-130-01-F-DH-A-S-K-TR

LSHM-120-01-L-DH-A-N-K-TR

LSHM-120-01-L-RH-A-S-K-TR

LSHM-DH, LSHM-RH SERIES

# 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  $\mu$ " (1.27  $\mu$ m) 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**  
BY SAMTEC

- 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

## RECOGNITIONS

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



FILE NO. E111594

## HIGH-SPEED CHANNEL PERFORMANCE

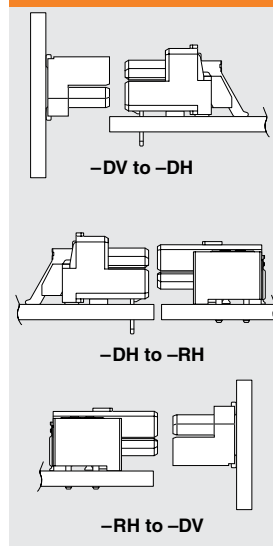
LSHM-DH/LSHM-RH

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)

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G b p s

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 $\mu$ " (0.25 $\mu$ m) 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.

