

(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

50µ" (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

### Processing:

Lead-Free Solderable:

Yes

### SMT Lead Coplanarity:

(0,10 mm) .004" max

### Board Mates:

LSHM

### Cable Mates:

HLCD



Optional shielding

Standard or reverse Right Angle orientation (vertical available)

Suitable for coplanar and perpendicular applications

| LSHM-DH/LSHM-DV             | Rated @ 3dB Insertion Loss* |
|-----------------------------|-----------------------------|
| Single-Ended Signaling      | 7 GHz / 14 Gbps             |
| Differential Pair Signaling | 6 GHz / 12 Gbps             |

\*Performance data includes effects of a non-optimized PCB.  
Complete test data available at [www.samtec.com?LSHM](http://www.samtec.com?LSHM) or contact [sig@samtec.com](mailto:sig@samtec.com)

Audible click when mated properly

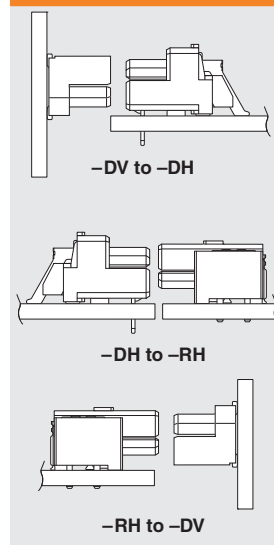
## RECOGNITIONS

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



FILE NO. E111594

## 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                |
|------|---|------------------|------------------------------------|---------------------------------------------------------------------------------------------------------|------------------------------------------------|---|-----------------------------------------|----------------------------------------------------------|-------------------|
|      |   | 20, 30, 40, 50   | -01 = Standard<br>-L1 = Lubricated | -F = Gold flash on contact, Matte Tin on tail<br>-L = 10µ" (0,25 µm) Gold on contact, Matte Tin on tail | -DH = Right Angle<br>-RH = Reverse Right Angle |   | -S = With Shield<br>-N = Without Shield | -K = (3,50 mm) .138" DIA Polyimide film Pick & Place Pad | -TR = Tape & Reel |

-DH-S

-RH-S

-DH-N

-RH-N