

(0,50mm) .0197"

LSHM 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 50µ" (1,27µm) Ni

Current Rating:

TBD

Operating Temp Range:

-55°C to +125°C

RoHS Compliant:

Yes

Processing:

Lead-Free Solderable:

Yes

SMT Lead Coplanarity:

(0,10mm) .004" max

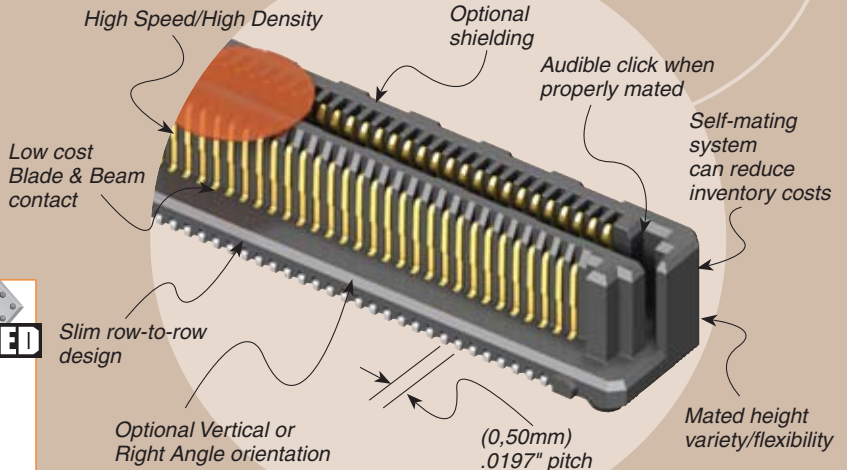
Board Stacking:

For applications requiring more than two connectors per board, contact ipg@samtec.com

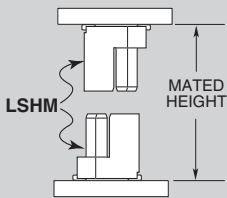


- High retention contacts
- Audible click when mated
- Shrouded

Mates with:
LSHM



APPLICATION



LEAD STYLE	MATED HEIGHT*
-02.5 & -02.5	(5,00) .196
-02.5 & -03.0	(5,50) .217
-03.0 & -03.0	(6,00) .236
-02.5 & -04.0	(6,50) .256
-03.0 & -04.0	(7,00) .276
-04.0 & -04.0	(8,00) .315
-02.5 & -06.0	(8,50) .335
-03.0 & -06.0	(9,00) .354
-04.0 & -06.0	(10,00) .394
-06.0 & -06.0	(12,00) .472

*Processing conditions will affect mated height.

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																		
Specify LEAD STYLE from chart																											
20, 30, 40, 50																											
No. of positions x (0,50) .0197 + (4,95) .195 -DH-S No. of positions x (0,50) .0197 + (1,90) .074 -DH-N No. of positions x (0,50) .0197 + (2,00) .078 -DV-S No. of positions x (0,50) .0197 + (2,00) .078 -DV-N																											
-F = Gold flash on contact, Matte Tin on tail -L = 10µ" (0,25µm) Gold on contact, Matte Tin on tail -DV = Vertical -DH = Right Angle (Lead style -01 only) -S = With Shield -N = Without Shield -K = (4,50mm) .177" DIA Polyimide film Pick & Place Pad -TR = Tape & Reel																											
<table border="1"> <thead> <tr> <th>LEAD STYLE</th> <th>A</th> <th>B</th> </tr> </thead> <tbody> <tr> <td>-01</td> <td>NA (-DH only)</td> <td>NA (-DH only)</td> </tr> <tr> <td>-02.5</td> <td>(3,95) .156</td> <td>(1,00) .039</td> </tr> <tr> <td>-03.0</td> <td>(4,45) .175</td> <td>(1,50) .059</td> </tr> <tr> <td>-04.0</td> <td>(5,45) .215</td> <td>(2,50) .098</td> </tr> <tr> <td>-06.0</td> <td>(7,45) .293</td> <td>(4,50) .177</td> </tr> </tbody> </table>										LEAD STYLE	A	B	-01	NA (-DH only)	NA (-DH only)	-02.5	(3,95) .156	(1,00) .039	-03.0	(4,45) .175	(1,50) .059	-04.0	(5,45) .215	(2,50) .098	-06.0	(7,45) .293	(4,50) .177
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Due to technical progress, all designs, specifications and components are subject to change without notice.

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