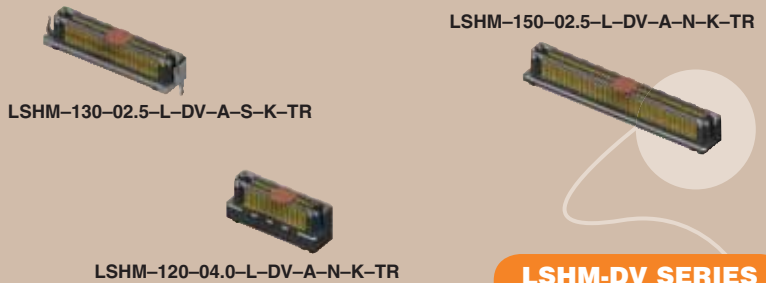




(0,50 mm) .0197"



LSHM-DV SERIES

HIGH SPEED HERMAPHRODITIC STRIP

SPECIFICATIONS

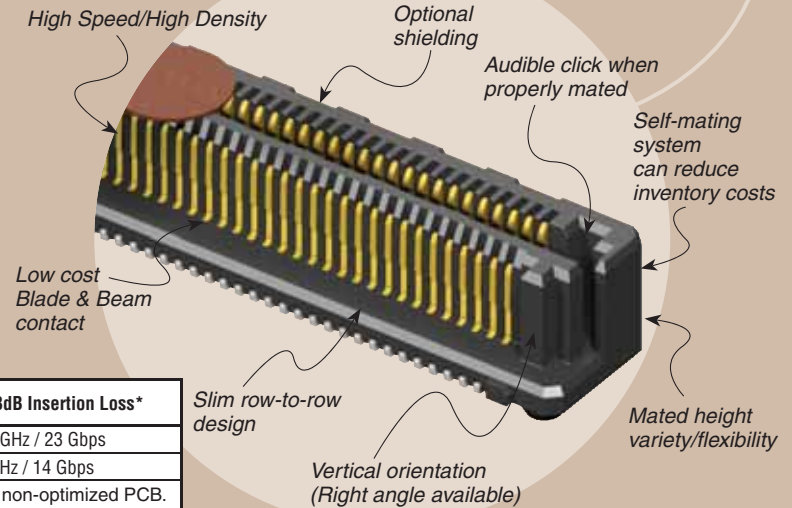
For complete specifications and recommended PCB layouts see www.samtec.com?LSHM-DV

Insulator Material:
Black Liquid Crystal Polymer
Contact Material:
Phosphor Bronze
Plating:
Au or Sn over 50µ" (1,27 µm) Ni
Current Rating:
2.0 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 Stacking:
For applications requiring more than two connectors per board, contact ipg@samtec.com

Mates with:
LSHM



LSHM-DV/LSHM-DV 5 mm Stack Height	Rated @ 3dB Insertion Loss*
Single-Ended Signaling	11.5 GHz / 23 Gbps
Differential Pair Signaling	7 GHz / 14 Gbps

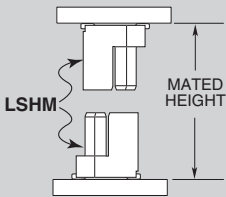
*Performance data includes effects of a non-optimized PCB. Performance data for other stack heights and complete test data available at www.samtec.com?LSHM-DV or contact sig@samtec.com

RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality



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.

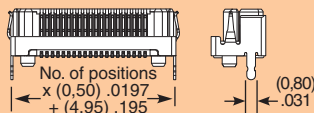
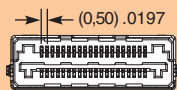
Note: Some lengths, styles and options are non-standard, non-returnable.

LSHM - 1 NO. PINS PER ROW - LEAD STYLE - PLATING OPTION - TAIL OPTION - A - SHIELD OPTION - K - TR

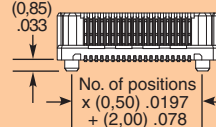
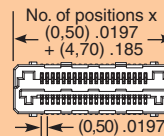
20, 30, 40, 50

Specify LEAD STYLE from chart

- F = Gold flash on contact, Matte Tin on tail
- L = 10µ" (0,25 µm) Gold on contact, Matte Tin on tail
- DV = Vertical
- S = With Shield
- N = Without Shield
- K = (3,50 mm) .138" DIA Polyimide film Pick & Place Pad
- TR = Tape & Reel

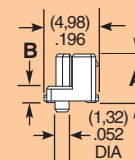


-DV-S



-DV-N

LEAD STYLE	A	B
-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



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

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