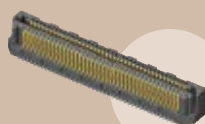




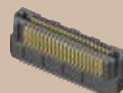
(0,635 mm) .025"

LSS SERIES

LSS-120-03-F-DV-A



LSS-140-01-L-DV-A



LSS-130-02-L-DV-A-K



# HIGH SPEED HERMAPHRODITIC STRIP

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?LSS](http://www.samtec.com?LSS)

### Insulator Material:

Black Liquid Crystal Polymer

### Contact Material:

Phosphor Bronze

### Plating:

Au or Sn over 50µ" (1,27 µm) Ni

### Current Rating:

1.7A per contact @ 30°C Temperature Rise

### 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](mailto:ipg@samtec.com)



Mates with:  
LSS



- High retention contacts
- Audible click when mated
- Shrouded

High Speed/High Density

Low cost Blade & Beam contact

Audible click when properly mated

Self-mating system can reduce inventory costs

Slim row-to-row design

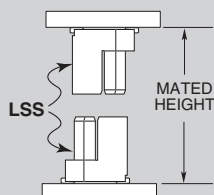
Mated height variety/flexibility

(0,635 mm) .025" pitch

LSS/LSS 6 mm Stack Height	Rated @ 3dB Insertion Loss*
Single-Ended Signaling	10 GHz / 20 Gbps
Differential Pair Signaling	9 GHz / 18 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?LSS](http://www.samtec.com?LSS) or contact [sig@samtec.com](mailto:sig@samtec.com)

## APPLICATION

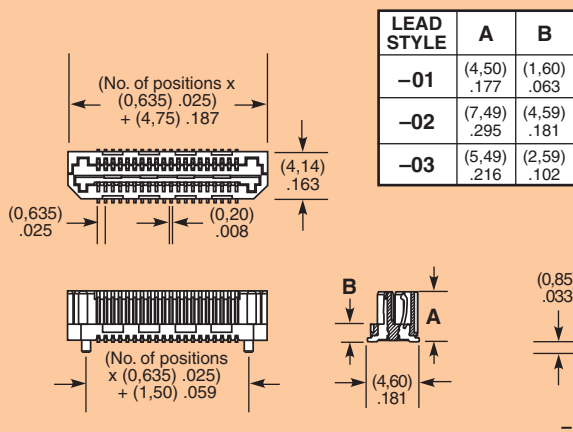


LEAD STYLE	MATED HEIGHT*
-01 & -01	(6,00) .236
-01 & -03	(7,00) .276
-03 & -03	(8,00) .315
-01 & -02	(9,00) .354
-02 & -03	(10,00) .394
-02 & -02	(12,00) .472

\*Processing conditions will affect mated height.

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

LSS	1	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	DV	A	OPTION
		10, 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	-K = (3,50 mm) .138" DIA Polyimide film Pick & Place Pad	-TR = Tape & Reel



## APPLICATION SPECIFIC OPTION

- Locking Clip on -02 or -03 lead style.
  - Other Gold plating options available.
  - Other pin counts available.
- Call Samtec.

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

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)

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