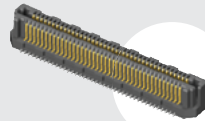


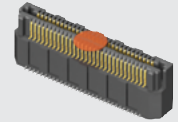
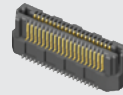


(0,635 mm) .025"

LSS-120-03-F-DV-A



LSS-140-01-L-DV-A



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

LSS SERIES

# 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:** 1.7 A per pin

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

Mates with: LSS



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)

## RECOGNITIONS

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



**LSS** - **1** NO. PINS PER ROW - **LEAD STYLE** - **PLATING OPTION** - **DV** - **A** - **OPTION**

10, 20, 30, 40, 50

Specify LEAD STYLE from chart

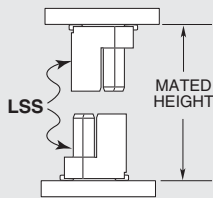
**-F** = Gold flash on contact, Matte Tin on tail

**-L** = 10µ" (0,25 µm) Gold on contact, Matte Tin on tail

**-K** = (3,50 mm) .138" DIA Polyimide film Pick & Place Pad

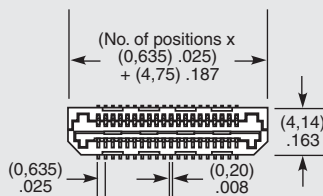
**-TR** = Tape & Reel

## APPLICATION

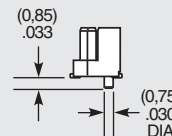
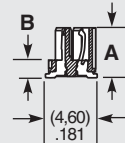
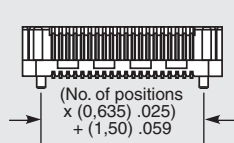


LEAD STYLE	MATED HEIGHT*
-01 & -01	(6,00) .236
-01 & -03	(7,00) .276
-03 & -03	(8,00) .315
-01 & -02	(9,00) .354
-02 & -03	(10,00) .394
-02 & -02	(12,00) .472

\*Processing conditions will affect mated height.



LEAD STYLE	A	B
-01	(4,50) .177	(1,60) .063
-02	(7,49) .295	(4,59) .181
-03	(5,49) .216	(2,59) .102



## ALSO AVAILABLE (MOQ Required)

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

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

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