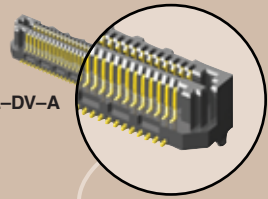


LSS-140-02-L-DV-A



LSS-120-01-L-DV-A

# .025" (0,635mm) HIGH SPEED STRIP LSS SERIES

## 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 over 50µ" (1,27µm) Ni  
**Current Rating:** 1.7A @ 30°C Temperature Rise  
**Operating Temp Range:** -55°C to +125°C  
**RoHS Compliant:** Yes



## Processing:

**Max Processing Temp:** 230°C for 60 seconds, or 260°C for 20 seconds 3x  
**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](mailto:ipg@samtec.com)

Mates with: LSS

High Speed/High Density

Low cost Blade & Beam contact

Slim row-to-row design

Shrouded with audible click when properly mated

Self-mating system can reduce inventory costs

Mated height variety/flexibility

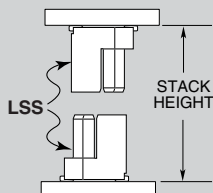
0,635mm pitch  
(0,50mm pitch in design)



7mm Stack Height	Rated @ -3dB Insertion Loss
Single-Ended Signaling	10.5 GHz / 21 Gbps
Differential Pair Signaling	9.5 GHz / 19 Gbps

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	STACK 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

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

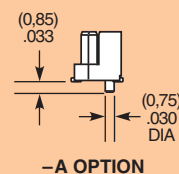
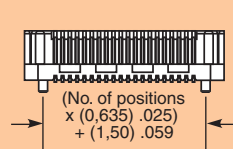
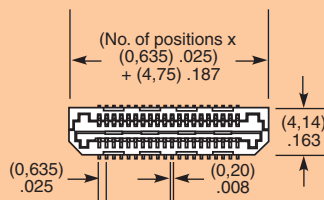
5, 10, 20, 30, 40, 50

Specify LEAD STYLE from chart

-L = 10µ" (0,25µm) Gold  
-F = Gold flash

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

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



## APPLICATION SPECIFIC OPTION

Locking Clip on -02 or -03 lead style. Call Samtec.

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

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

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