

(0.635 mm) .025"

LSS SERIES

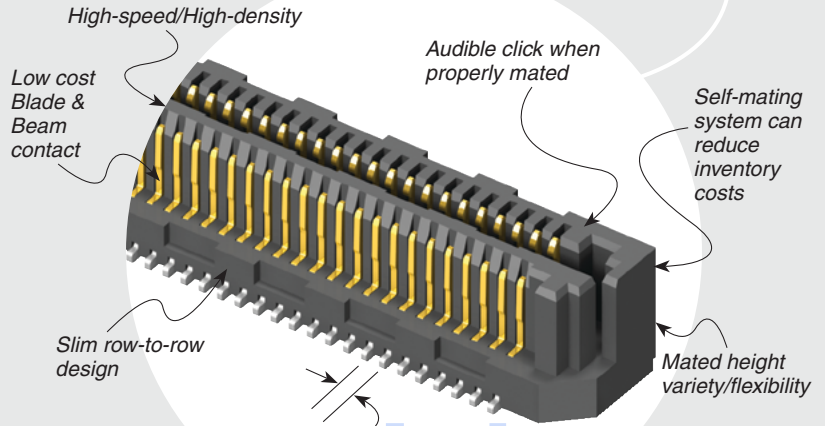
HIGH-SPEED HERMAPHRODITIC STRIP

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?LSS

- Insulator Material:** Black Liquid Crystal Polymer
- Contact Material:** Phosphor Bronze
- Plating:** Au or Sn over 50 μ" (1.27 μm) Ni
- Current Rating:** 1.7 A per pin (4 adjacent pins powered)
- Operating Temp Range:** -55 °C to +125 °C
- RoHS Compliant:** Yes

Mates with:
LSS



PROCESSING

- Lead-Free Solderable:** Yes
- SMT Lead Coplanarity:** (0.10 mm) .004" max
- Board Stacking:** For applications requiring two or more connectors per board, contact ipg@samtec.com

HIGH-SPEED CHANNEL PERFORMANCE

LSS-DV/LSS-DV @ 9 mm Mated Stack Height
Rating based on Samtec reference channel. For full SI performance data visit Samtec.com or contact SIG@samtec.com

25
Gbps

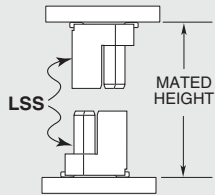
RECOGNITIONS

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



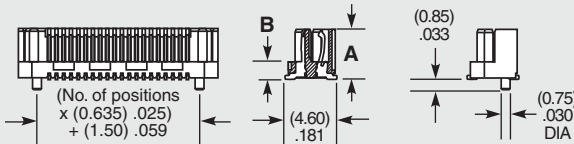
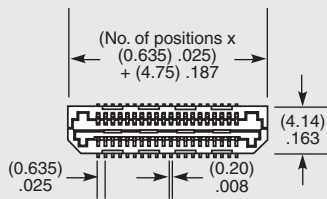
LSS	1	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	DV	A	OPTION
10, 20, 30, 40, 50			Specify LEAD STYLE from chart	-F = Gold flash on contact, Matte Tin on tail -L = 10 μ" (0.25 μm) Gold on contact, Matte Tin on tail		-K = (3.50 mm) .138" DIA Polyimide film Pick & Place Pad -TR = Tape & Reel	

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

RUGGEDIZED
BY SAMTEC

- High retention contacts
- Audible click when mated
- Shrouded

ALSO AVAILABLE (MOQ Required)

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

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

All parts within this catalog are built to Samtec's specifications. Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.