

(0.635 mm) .025"

LSS SERIES

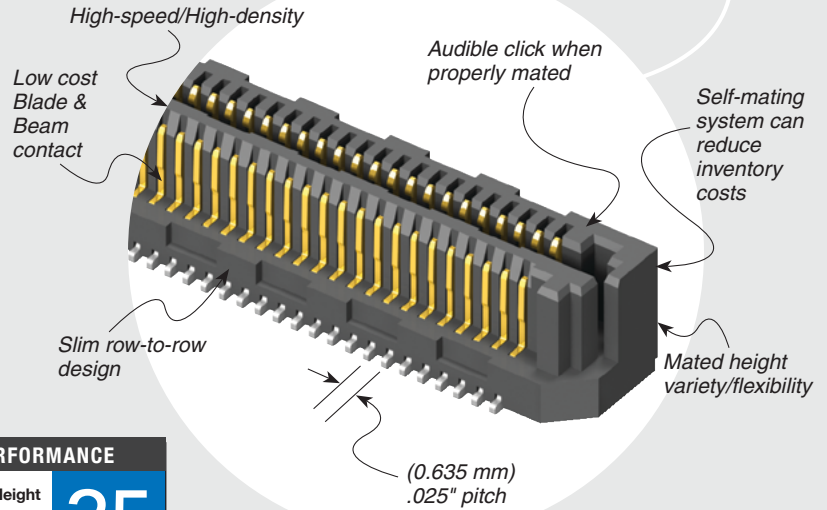
# HIGH-SPEED HERMAPHRODITIC STRIP

## 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 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](mailto: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](http://Samtec.com) or contact [SIG@samtec.com](mailto:SIG@samtec.com)

25  
Gbps

## 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

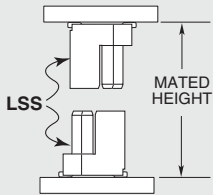
**-F**  
= Gold flash on contact, Matte Tin on tail

**-L**  
= 10 μ" (0.25 μm) Gold on contact, Matte Tin on tail

**-K**  
= (3.50 mm) .138" DIA Polyimide film Pick & Place Pad

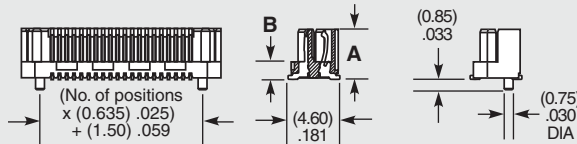
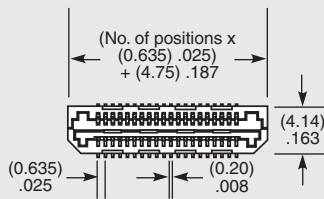
**-TR**  
= Tape & Reel

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

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