

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

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

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 or contact sig@samtec.com

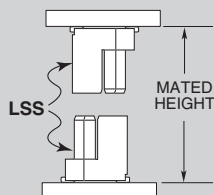
RECOGNITIONS

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



FILE NO. E111594

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

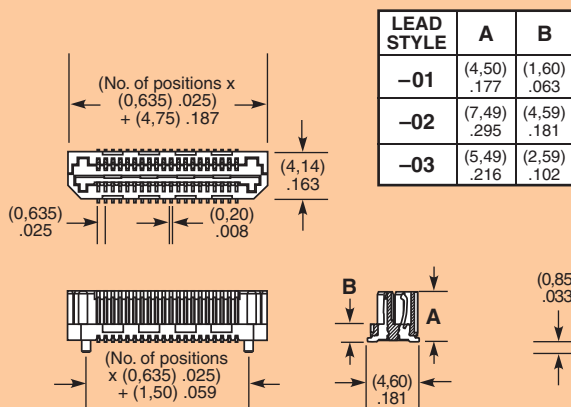
Specify LEAD STYLE from chart

-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



ALSO AVAILABLE (MOQ Required)

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

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

WWW.SAMTEC.COM