

# 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 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<br>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)

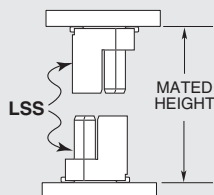
## RECOGNITIONS

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



FILE NO. E111594

## APPLICATION

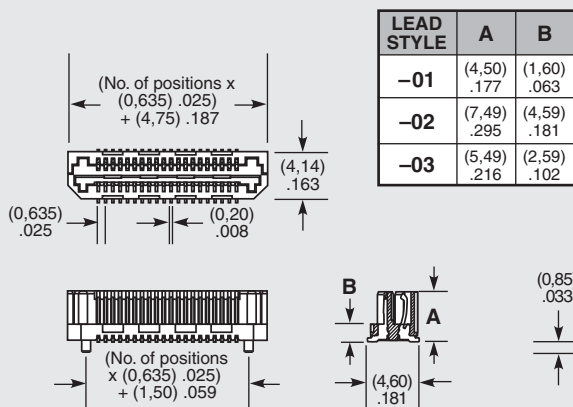


| LEAD STYLE | MATED HEIGHT* |
|------------|---------------|
| -01 & -01  | (6,00) .236   |
| -01 & -03  | (7,00) .276   |
| -03 & -03  | (8,00) .315   |
| -01 & -02  | (9,00) .354   |
| -02 & -03  | (10,00) .394  |
| -02 & -02  | (12,00) .472  |

\*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<br>= Gold flash on contact, Matte Tin on tail | -L<br>= 10μ" (0,25 μm) Gold on contact, Matte Tin on tail | -K<br>= (3,50 mm) .138" DIA Polyimide film Pick & Place Pad | -TR<br>= Tape & Reel |



## ALSO AVAILABLE (MOQ Required)

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