



(0,80mm) .0315"

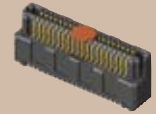
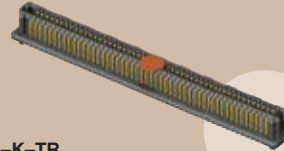
LSEM SERIES

LSEM-150-04.0-F-DV-A-N-K-TR

LSEM-120-06.0-F-DV-A-N-K-TR



LSEM-120-01-L-DH-A-N-K-TR



# HIGH SPEED HERMAPHRODITIC STRIP

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?LSEM](http://www.samtec.com?LSEM)

**Insulator Material:**

Black Liquid Crystal Polymer



**Contact Material:**

Phosphor Bronze

**Plating:**

Au or Sn over 50µ" (1,27µm) Ni

**Current Rating:**

1.2A @ 95°C ambient (6 positions powered)

**Operating Temp Range:**

-55°C to +125°C

**RoHS Compliant:**

Yes

**Processing:**

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:  
LSEM

High Speed/High Density

Audible click when properly mated

Self-mating system can reduce inventory costs

Low cost Blade & Beam contact

Mated height variety/flexibility

**RUGGEDIZED**  
by  
**SAMTEC**

- High retention contacts
- Audible click when mated
- Shrouded

Optional Vertical or Right Angle orientation

Slim Row-to-Row design

LSEM - 1 NO. PINS PER ROW - LEAD STYLE - PLATING OPTION - TAIL OPTION - A - N - K - TR

20, 30, 40, 50

Specify LEAD STYLE from chart

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

**-L**  
= 10µ" (0,25µm) Gold on contact, Matte Tin on tail

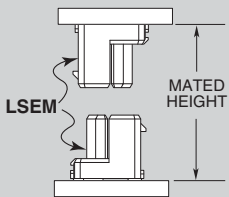
**-DV**  
= Vertical

**-DH**  
= Right Angle (Lead style -01 only)

**-K**  
= (5,50mm) .217" DIA Polyimide film Pick & Place Pad

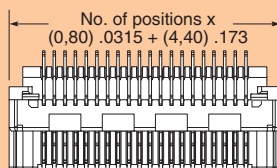
**-TR**  
= Tape & Reel

## APPLICATION

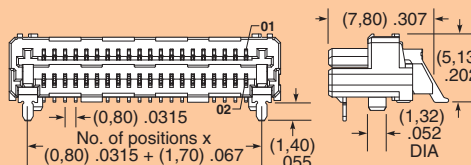
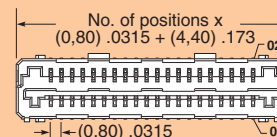


LEAD STYLE	MATED HEIGHT*
-03.0 & -03.0	(6,00) .236
-03.0 & -04.0	(7,00) .276
-04.0 & -04.0	(8,00) .315
-03.0 & -06.0	(9,00) .354
-04.0 & -06.0	(10,00) .394
-06.0 & -06.0	(12,00) .472

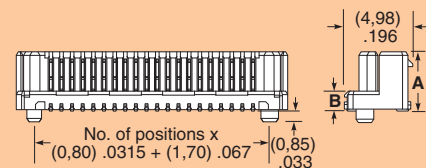
\*Processing conditions will affect mated height.



LEAD STYLE	A	B
-01 (-DH only)	NA	NA
-03.0	(4,45) .175	(1,50) .059
-04.0	(5,45) .215	(2,50) .098
-06.0	(7,45) .293	(4,50) .177



-DH-N



-DV-N

**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)