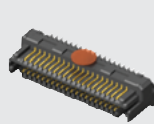


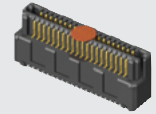
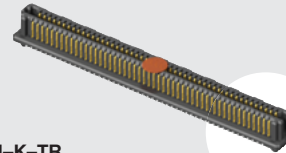


LSEM-150-04.0-F-DV-A-N-K-TR

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



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



(0,80 mm) .0315"

LSEM SERIES

HIGH SPEED HERMAPHRODITIC STRIP

SPECIFICATIONS

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

Insulator Material: Black Liquid Crystal Polymer

Contact Material: Phosphor Bronze

Plating: Au or Sn over 50µ" (1,27 µm) Ni

Current Rating: 1.8 A per pin (2 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: LSEM



- High retention contacts
- Audible click when mated
- Shrouded

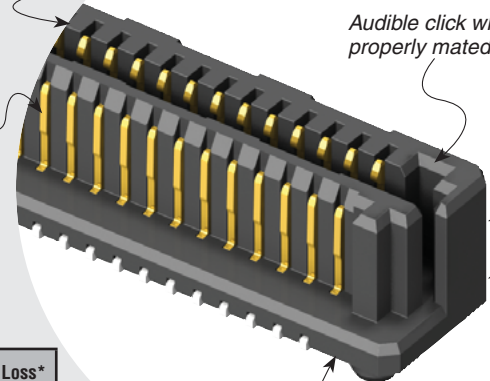
High Speed/High Density

Low cost Blade & Beam contact

Audible click when properly mated

Self-mating system can reduce inventory costs

Mated height variety/flexibility



28+ Gbps

Slim Row-to-Row design

LSEM/LSEM 12 mm Stack Height	Rated @ 3dB Insertion Loss*
Single-Ended Signaling	16.5 GHz / 33 Gbps
Differential Pair Signaling	20.0 GHz / 40 Gbps

*Test board losses de-embedded from performance data. Complete test data available at www.samtec.com?LSEM or contact sig@samtec.com

RECOGNITIONS

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



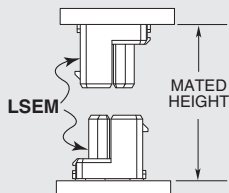
LSEM - **1** NO. PINS PER ROW - **LEAD STYLE** - **PLATING OPTION** - **TAIL OPTION** - **A** - **N** - **K** - **TR**

20, 30, 40, 50

Specify LEAD STYLE from chart

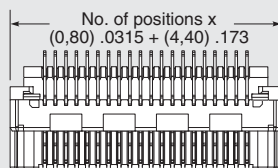
- F** = Gold flash on contact, Matte Tin on tail
- L** = 10µ" (0,25 µm) Gold on contact, Matte Tin on tail
- DV** = Vertical
- DH** = Right Angle (Lead style -01 only)
- K** = (5,50 mm) .217" DIA Polyimide film Pick & Place Pad
- TR** = Tape & Reel

APPLICATION

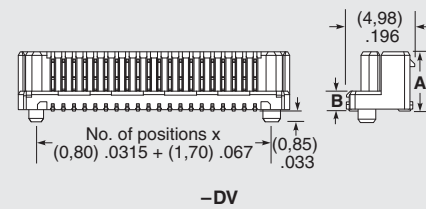
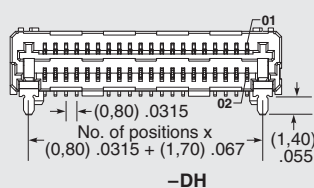
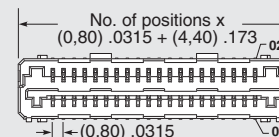


LEAD STYLE	MATED HEIGHT*
-03.0 & -03.0	(6,00) .236
-03.0 & -04.0	(7,00) .276
-04.0 & -04.0	(8,00) .315
-03.0 & -06.0	(9,00) .354
-04.0 & -06.0	(10,00) .394
-06.0 & -06.0	(12,00) .472

*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



Note: Some lengths, styles and options are non-standard, non-returnable.