

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

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

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

Slim
Row-to-Row
design

28+
Gbps

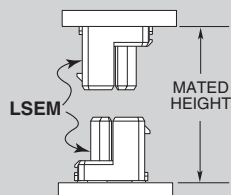
RECOGNITIONS

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



FILE NO. E111594

APPLICATION

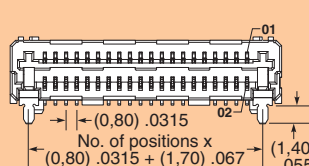
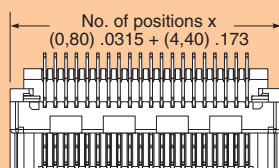


LEAD STYLE	MATED HEIGHT*
-03.0 & -03.0	(6,00) .236
-03.0 & -04.0	(7,00) .276
-04.0 & -04.0	(8,00) .315
-03.0 & -06.0	(9,00) .354
-04.0 & -06.0	(10,00) .394
-06.0 & -06.0	(12,00) .472

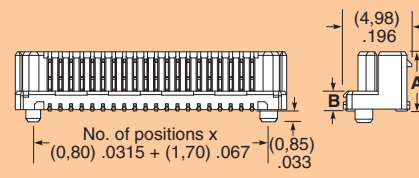
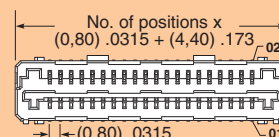
*Processing conditions will affect mated height.

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

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	



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



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

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