

(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

50 μ " (1.27 μ m) 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 two or more connectors per board, contact ipg@samtec.com

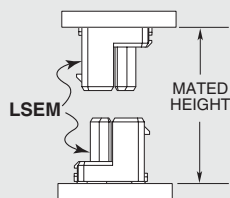
RECOGNITIONS

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.

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

Slim row-to-row design

HIGH-SPEED CHANNEL PERFORMANCE

LSEM-DV/LSEM-DV @ 10 mm Mated Stack Height

Rating based on Samtec reference channel.
For full SI performance data visit Samtec.com or contact SIG@samtec.com

25
Gbps

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

= 10 μ " (0.25 μ m) Gold on contact, Matte Tin on tail

-DV

= Vertical

-DH

= Right-angle (Lead style -01 only)

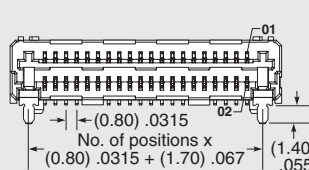
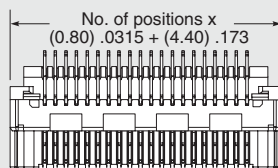
-K

= (5.50 mm) .217" DIA Polyimide film Pick & Place Pad

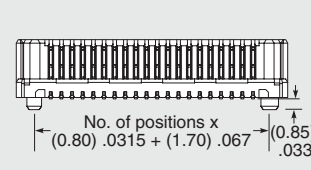
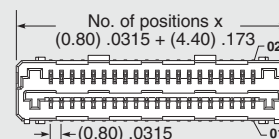
-TR

= 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



-DH



-DV

RUGGEDIZED
BY SAMTEC

- High retention contacts
- Audible click when mated
- Shrouded

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

WWW.SAMTEC.COM

All parts within this catalog are built to Samtec's specifications.

Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.

Mouser Electronics

Authorized Distributor

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Samtec:

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