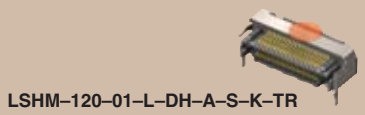
samtec

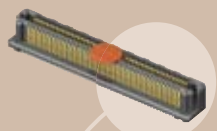
RAZOR BEAM™ SYSTEM

(0,50mm) .0197"

LSHM SERIES



LSHM–120–01–L–DH–A–S–K–TR



LSHM–150–02.5–L–DV–A–N–K–TR

LSHM–130–02.5–L–DV–A–S–K–TR

LSHM–120–04.0–L–DV–A–N–K–TR

HIGH SPEED HERMAPHRODITIC STRIP

SPECIFICATIONS

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

Insulator Material:
Black Liquid Crystal Polymer
Contact Material:
Phosphor Bronze
Plating:
Au or Sn over 50µ" (1,27µm) Ni
Current Rating:
TBD
Operating Temp Range:
-55°C to +125°C
RoHS Compliant:
Yes

FILE NO. E111594

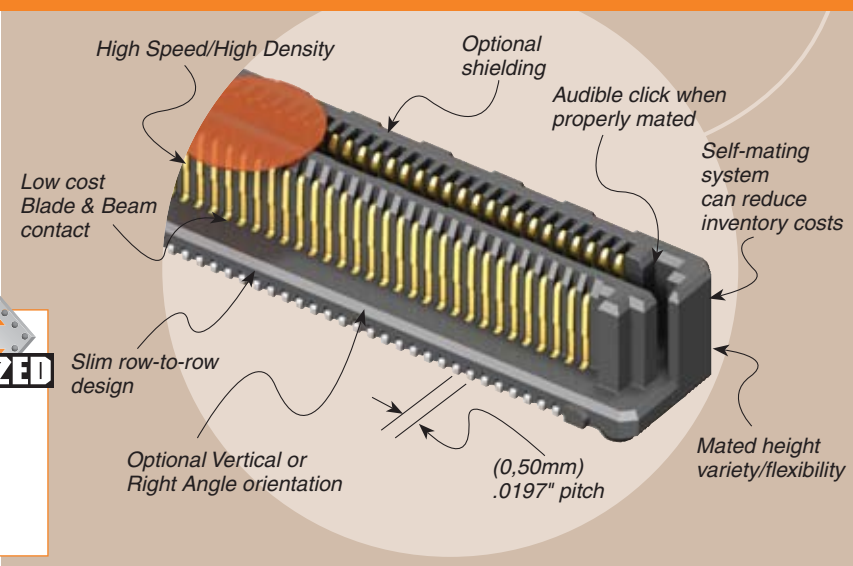
Processing:

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

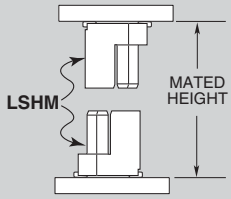
Mates with:
LSHM

RUGGEDIZED by SAMTEC

- High retention contacts
- Audible click when mated
- Shrouded



APPLICATION



LEAD STYLE	MATED HEIGHT*
–02.5 & –02.5	(5,00) .196
–02.5 & –03.0	(5,50) .217
–03.0 & –03.0	(6,00) .236
–02.5 & –04.0	(6,50) .256
–03.0 & –04.0	(7,00) .276
–04.0 & –04.0	(8,00) .315
–02.5 & –06.0	(8,50) .335
–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.

LSHM – 1 – NO. PINS PER ROW – LEAD STYLE – PLATING OPTION – TAIL OPTION – A – SHIELD OPTION – K – TR

NO. PINS PER ROW: 20, 30, 40, 50

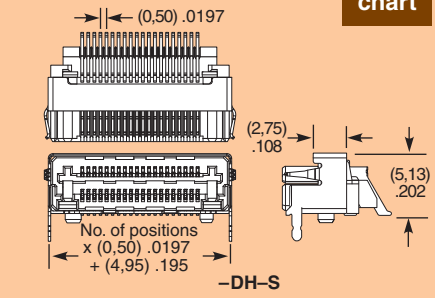
LEAD STYLE: Specify LEAD STYLE from chart

PLATING OPTION:
–F = Gold flash on contact, Matte Tin on tail
–L = =10µ" (0,25µm) Gold on contact, Matte Tin on tail

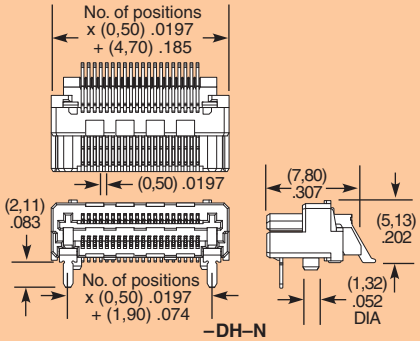
TAIL OPTION:
–DV = Vertical
–DH = Right Angle (Lead style –01 only)

SHIELD OPTION:
–S = With Shield
–N = Without Shield

TR:
–K = (4,50mm) .177" DIA Polyimide film Pick & Place Pad
–TR = Tape & Reel

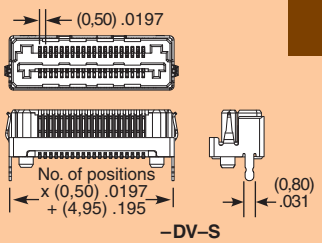


–DH–S

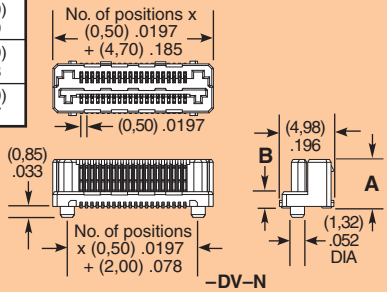


–DH–N

LEAD STYLE	A	B
–01	NA (-DH only)	NA (-DH only)
–02.5	(3,95) .156	(1,00) .039
–03.0	(4,45) .175	(1,50) .059
–04.0	(5,45) .215	(2,50) .098
–06.0	(7,45) .293	(4,50) .177



–DV–S



–DV–N

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

SAMTEC USA • Tel: 1-800-SAMTEC-9 or 812-944-6733 SAMTEC SILICON VALLEY • Tel: 408-395-5900 SAMTEC SOUTHERN CALIFORNIA • Tel: 1-800-726-8329
SAMTEC AMERICA LATINA COMERCIO EXTERIOR LTDA • Tel: (+55 31) 3786 3227 SAMTEC UNITED KINGDOM • Tel: 44 01236 739292 SAMTEC GERMANY • Tel: +49 (0) 89 / 89460-0
SAMTEC FRANCE • Tel: 33 01 60 95 06 60 SAMTEC ITALY • Tel: 39 039 6890337 SAMTEC NORDIC/BALTIC • Tel: +46-84477280 SAMTEC BENELUX • Tel: 44 01236 739292 SAMTEC ISRAEL • Tel: 972-3-7526600
SAMTEC INDIA • Tel: +91-80-3272 1612 SAMTEC ASIA PACIFIC • Tel: 65 6745-5955 SAMTEC JAPAN • Tel: 045-475-1385 SAMTEC CHINA • Tel: 86-21-61103766 SAMTEC TAIWAN • Tel: 886-2-2735-6109
SAMTEC HONG KONG • Tel: 852-26904858 SAMTEC KOREA • Tel: 82-31-717-5685 SAMTEC ANZ • Tel: 613 9512 7747 SAMTEC SOUTH AFRICA • Tel: 27 11 452 8112