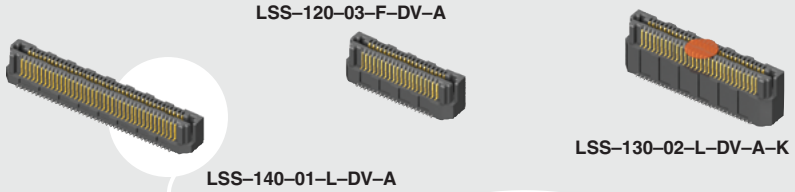
samtec

RAZOR™ BEAM SYSTEM



(0.635 mm) .025"

LSS SERIES

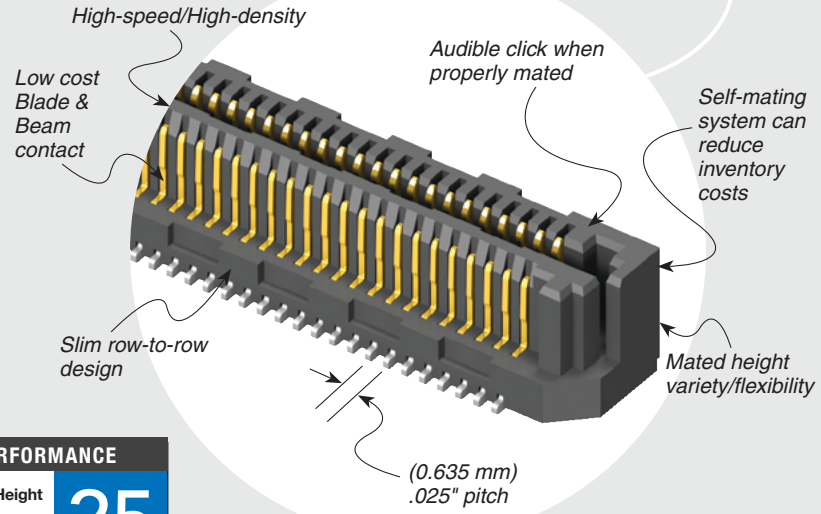
HIGH-SPEED HERMAPHRODITIC STRIP

SPECIFICATIONS

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

Insulator Material:
Black Liquid Crystal Polymer
Contact Material:
Phosphor Bronze
Plating:
Au or Sn over
50 µ" (1.27 µm) Ni
Current Rating:
1.7 A per pin
(4 adjacent pins powered)
Operating Temp Range:
-55 °C to +125 °C
RoHS Compliant:
Yes

Mates with:
LSS



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

HIGH-SPEED CHANNEL PERFORMANCE

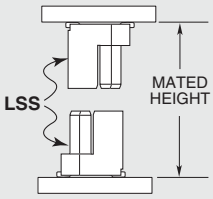
LSS-DV/LSS-DV @ 9 mm Mated Stack Height

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

25 Gbps

LSS	–	1	NO. PINS PER ROW	–	LEAD STYLE	–	PLATING OPTION	–	DV	–	A	–	OPTION
			10, 20, 30, 40, 50		Specify LEAD STYLE from chart		–F = Gold flash on contact, Matte Tin on tail –L =10 µ" (0.25 µm) Gold on contact, Matte Tin on tail				–K = (3.50 mm) .138" DIA Polyimide film Pick & Place Pad –TR = Tape & Reel		

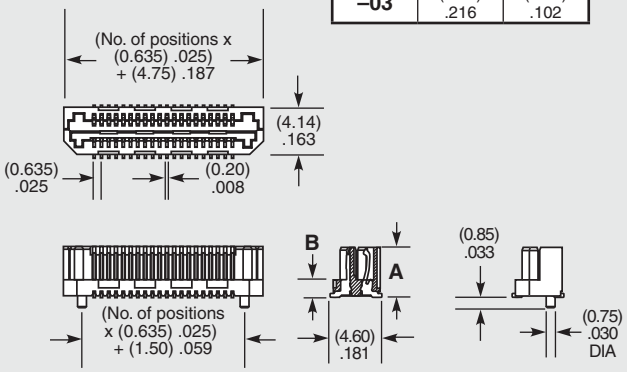
APPLICATION



LEAD STYLE	MATED HEIGHT*
–01 & –01	(6.00) .236
–01 & –03	(7.00) .276
–03 & –03	(8.00) .315
–01 & –02	(9.00) .354
–02 & –03	(10.00) .394
–02 & –02	(12.00) .472

*Processing conditions will affect mated height.

LEAD STYLE	A	B
–01	(4.50) .177	(1.60) .063
–02	(7.49) .295	(4.59) .181
–03	(5.49) .216	(2.59) .102



RUGGEDIZED BY SAMTEC

- High retention contacts
- Audible click when mated
- Shrouded

ALSO AVAILABLE (MOQ Required)

- Locking Clip on –02 or –03 lead style
- Other Gold plating options
- Other pin counts

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