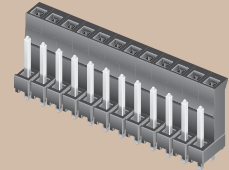


LST-120-07-G-D

LST-112-07-S-D



# .100" (2,54mm) SOCKET/TERMINAL LST, HLST SERIES

## SPECIFICATIONS

For complete specifications see [www.samtec.com?LST](http://www.samtec.com?LST) or [www.samtec.com?HLST](http://www.samtec.com?HLST)

### LST

**Insulator Material:** LST: Black  
Glass Filled Polyester  
**Terminal Material:** Phosphor Bronze  
**Contact Material:** Phosphor Bronze  
**Plating:** Au or Sn over 50µ" (1,27µm) Ni  
**Operating Temp Range:** -55°C to +125°C with Gold  
-55°C to +105°C with Tin  
**Insertion Depth:** (3,68 mm) .145" to (6,35 mm) .250"  
**Insertion Force:** (Single contact only) 6oz (1,67N) avg  
**Withdrawal Force:** (Single contact only) 4oz (1,11N) avg  
**Cycles:** 100 with 10µ" (0,25µm) Au  
**RoHS Compliant:** Yes  
**Lead-Free Solderable:** Wave Only



### HLST

Same as LST except:  
**Insulator Material:** Liquid Crystal Polymer (Socket Black, Header Natural)  
**Processing:**  
**Max Processing Temp:** 230°C for 60 seconds, or 260°C for 20 seconds 3x  
**Lead-Free Solderable:** Yes



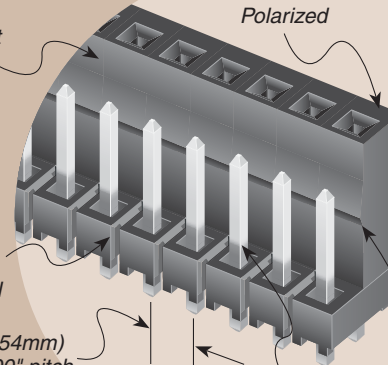
Mates with:  
LST, HLST



CURRENT RATING	
AMBIENT TEMP	5 Contacts
20°C	6.0A
40°C	5.3A
60°C	4.2A
80°C	3.0A

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

Hermaphroditic self-mating combination header/socket system



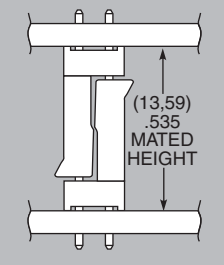
One part number for both socket and terminal

(2,54mm) .100" pitch

Polarized

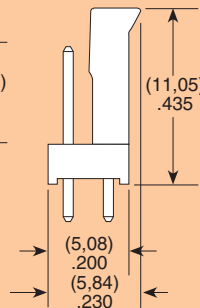
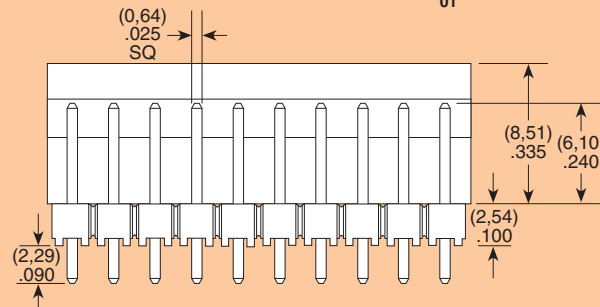
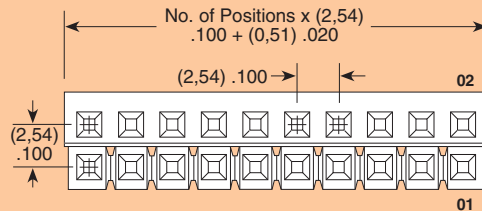
(0,64mm) .025" square post

## APPLICATION

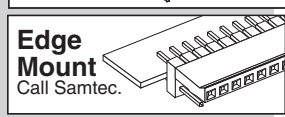
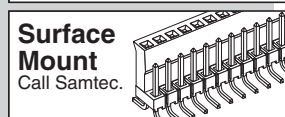


(13,59) .535 MATED HEIGHT  
Locking feature increases unmating force and provides audible "click" when properly mated

TYPE STRIP	1	NO. PINS PER ROW	07	PLATING OPTION	D
LST = Standard		HLST = High Temperature	02 thru 30	-G = 10µ" (0,25µm) Gold on contact area, Gold flash on balance	-S = 30µ" (0,76µm) Gold on contact area, Matte Tin on tail
				-F = Gold flash on contact area, Matte Tin on tail	-T = Matte Tin



## Also Available



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

WWW.SAMTEC.COM