

(2,54mm) .100"

LST, HLST SERIES

# SELF-MATING HERMAPHRODITIC STRIP

## 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



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

Mates with: LST, HLST

**Note:** Other Gold plating options available. Contact Samtec.

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



Hermaphroditic self-mating header/socket system

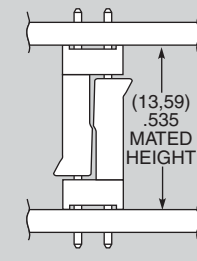
One part number for both socket and terminal

(2,54mm) .100" pitch

Polarized

(0,64mm) .025" square post

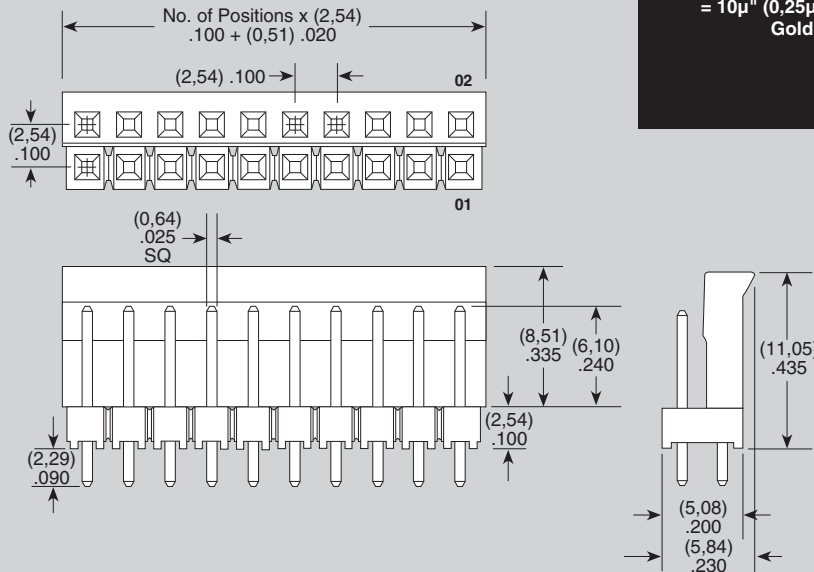
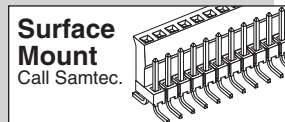
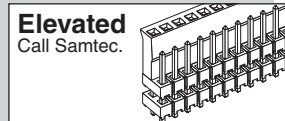
## APPLICATION



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	-F = Gold flash on contact area, Matte Tin on tail	
				-G = 10µ" (0,25µm) Gold on contact area, Gold flash on balance	
				-T = Matte Tin	

## Also Available



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

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