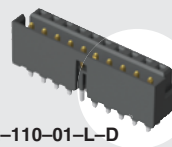


(2,00 mm) .0787"

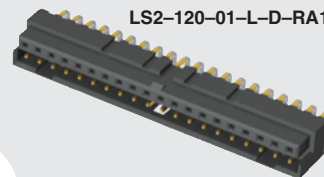
LS2-110-02-L-D



LS2-110-01-L-D



LS2-120-01-L-D-RA1



LS2 SERIES

# SELF MATING HERMAPHRODITIC STRIP

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?LS2](http://www.samtec.com?LS2)

### Insulator Material:

Black Liquid Crystal Polymer

### Contact Material:

Phosphor Bronze

### Plating:

Au or Sn over 50μ" (1,27 μm) Ni

### Current Rating:

3.2 A per pin (6 adjacent pins powered)

### Voltage Rating:

475 VAC mated with LS2

### Operating Temp Range:

-55°C to +125°C

### Insertion Force:

(Single contact only) 4 oz (1,11 N) avg.

### Withdrawal Force:

(Single contact only) 3 oz (0,83 N) avg.

### RoHS Compliant:

Yes

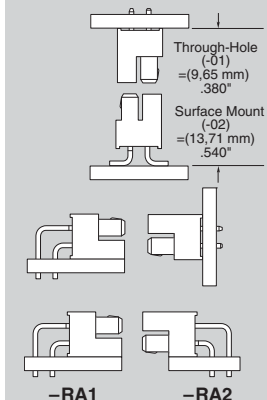
### Processing:

Lead-Free Solderable: Yes

SMT Lead Coplanarity: (0,15 mm) .006" max

Mates with:  
LS2

## APPLICATION



Shrouded Terminals

Align &amp; Latch™

Polarized



(2,00 mm)  
.0787"  
pitch

## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)

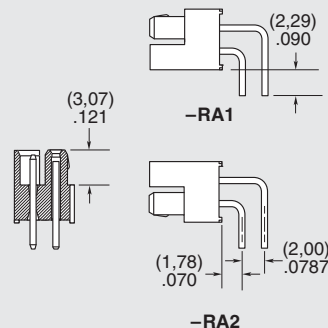
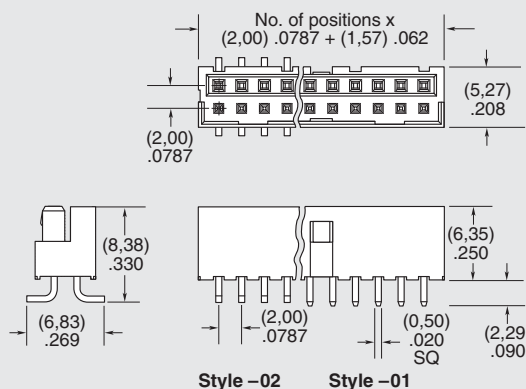


FILE NO. E111594

## ALSO AVAILABLE (MOQ Required)

- Alignment pin
  - Other platings
  - Other stack heights
- Contact Samtec.

| LS2 | 1 | NO. PINS PER ROW       | LEAD STYLE                                     | PLATING OPTION                                                                                                | D | TAIL OPTION                                                                          | OPTION                                                                                                   |
|-----|---|------------------------|------------------------------------------------|---------------------------------------------------------------------------------------------------------------|---|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
|     |   | 05, 10, 15, 20, 25, 30 | -01<br>=Through-hole<br>-02<br>= Surface Mount | -F<br>= Gold flash on contact, Matte Tin on tail<br>-L<br>= 10μ" (0,25 μm) Gold on contact, Matte Tin on tail |   | -01 only<br>-RA1<br>= Right Angle (Shroud Down)<br>-RA2<br>= Right Angle (Shroud Up) | -K<br>= (6,30 mm) .248" DIA Polyimide Film Pick & Place Pad (-02 only)<br>-TR<br>= Tape & Reel Packaging |



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