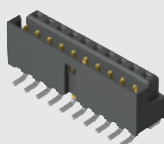
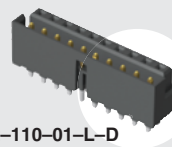


(2,00 mm) .0787"

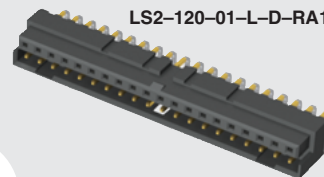
LS2-110-02-L-D



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

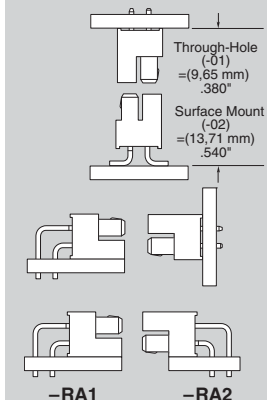
**Processing:**

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)

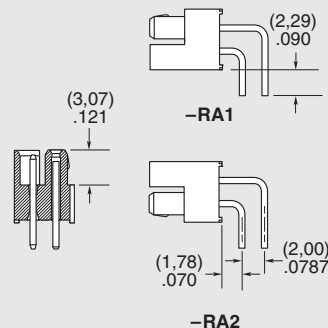
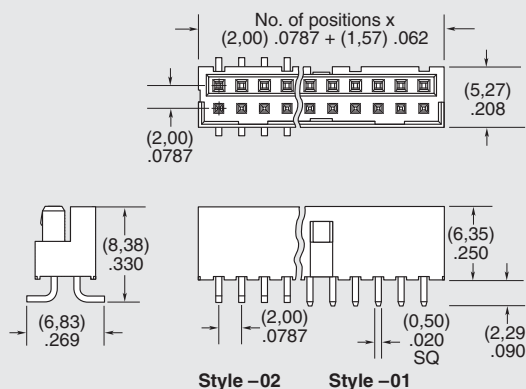


FILE NO. E111594

## 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.