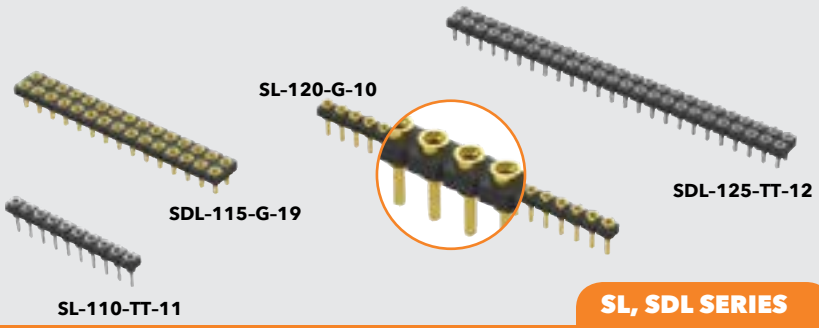
samtec




**(2.54 mm) .100"**

**SL, SDL SERIES**

# LOW PROFILE MACHINED SOCKET STRIPS

## FEATURES

- Achieve low profile without sacrificing insertion depth!
- Choice of four precision screw machined lead styles.
- Exceptionally low profile, down to (2.11 mm) .083" off of board.
- Mates with BBL or BDL for board stacking spaces down to (3.89 mm) .153"

## SPECIFICATIONS

For complete specifications see www.samtec.com?SL or www.samtec.com?SDL

**Insulator Material:**
Black Glass Filled Polyester (SDL)
Black Liquid Crystal Polymer (SL)
**Contact/Shell Materials:**
BeCu/Brass
**Plating:**
Au or Sn over
50 µ" (1.27 µm) Ni
**Operating Temp Range:**
-55 °C to +125 °C with Gold
-55 °C to +105 °C with Tin
**RoHS Compliant:**
Yes
**Lead-Free Solderable:**
**SL:** Yes
**SDL:** No, Lead Wave only

## RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality

FILE NO. E111594

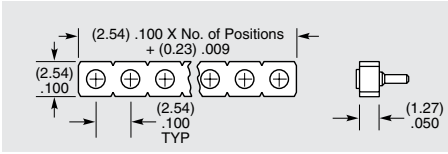
**Note:**
Some lengths, styles and options are non-standard, non-returnable.

**Mates with:**
TS, TD, HTS, BBS, BBD, BBL, BDL, BHS

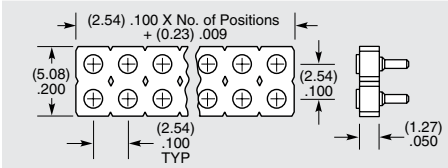
**TYPE STRIP** – **1** – **NO. PINS PER ROW** – **PLATING OPTION** – **LEAD STYLE**

**SL**
= Single Row Low Profile Socket Strip

**SDL**
= Double Row Low Profile Socket Strip




**01 thru 32**




**01 thru 36**

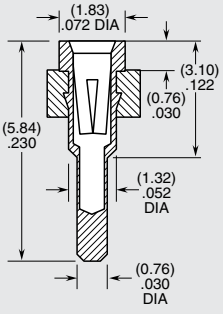
**-G**
= 30 µ" (0.76 µm) Gold contact, 10 µ" (0.25 µm) Gold shell

**-T**
= 30 µ" (0.76 µm) Gold contact, Tin shell

**-TT**
= Tin contact and shell (LIF not available)

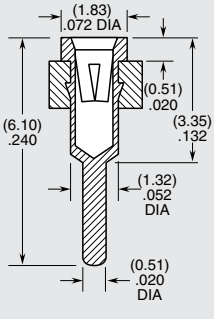
**Low Insertion Force (LIF) Available**

### -10
= Low Profile (Hollow Leg)



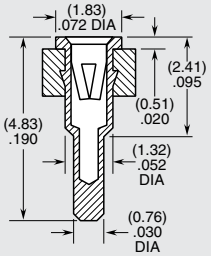

Contact Length = (2.11 mm) .083"
Lead DIA Accepted = (0.38 mm) .015" to (0.51 mm) .020"
Insertion Depth = (2.67 mm) .105" to (4.32 mm) .170"
Style 10 Component Part No. = SC-3P1

### -11
= Low Profile (Standard Mount)
For LIF specify -31



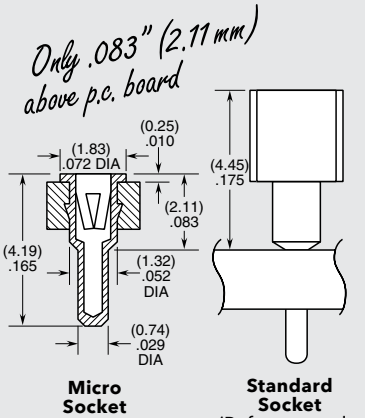

Contact Length = (1.58 mm) .062"
Lead DIA Accepted = (0.41 mm) .016" to (0.53 mm) .021"
Insertion Depth = (2.03 mm) .080" to (2.67 mm) .105"
Style 11 Component Part No. = SC-4P1
Style 31 Component Part No. = EZ-4P1

### -12
= Micro-Socket (Hollow Leg)




Contact Length = (1.58 mm) .062"
Lead DIA Accepted = (0.41 mm) .016" to (0.51 mm) .020"
Insertion Depth = (1.65 mm) .065" to (3.81 mm) .150"
Style 12 Component Part No. = SC-5P1

### -19
= Micro-Socket (Hollow Leg)
For LIF specify -39




**Micro Socket**

**Standard Socket**
(Reference only. Not available with SL & SDL)

Contact Length = (1.58 mm) .062"
Lead DIA Accepted = (0.41 mm) .016" to (0.51 mm) .020"
Insertion Depth = (1.65 mm) .065" to (3.56 mm) .140"
Style 19 Component Part No. = SC-8P1
Style 39 Component Part No. = EZ-8P1



Unless otherwise approved in writing by Samtec, all parts and components are designed and built according to Samtec's specifications which are subject to change without notice.