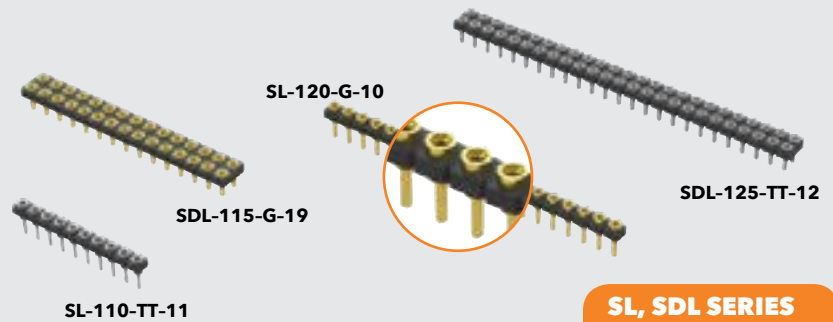




(2.54 mm) .100"

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](http://www.samtec.com?SL) or [www.samtec.com?SDL](http://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  $\mu$ " (1.27  $\mu$ m) 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](http://www.samtec.com/quality)



FILE NO. E111594

### Mates with:

TS, TD, HTS, BBS, BBD,  
BBL, BDL, BHS

TYPE STRIP

1

NO. PINS PER ROW

PLATING OPTION

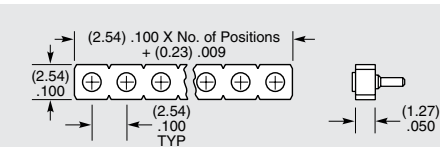
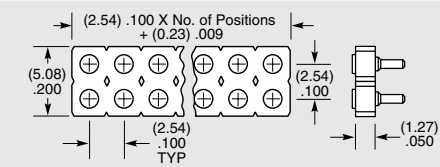
LEAD STYLE

SL

= Single Row Low Profile Socket Strip

SDL

= Double Row Low Profile Socket Strip

01  
thru  
3201  
thru  
36

-G

= 30  $\mu$ " (0.76  $\mu$ m)  
Gold contact,  
10  $\mu$ " (0.25  $\mu$ m)  
Gold shell

-T

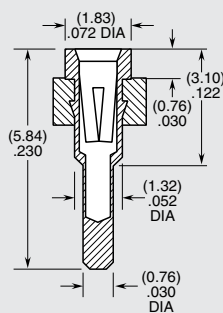
= 30  $\mu$ " (0.76  $\mu$ m)  
Gold contact,  
Tin shell

-TT

= Tin contact and shell  
(LIF not available)

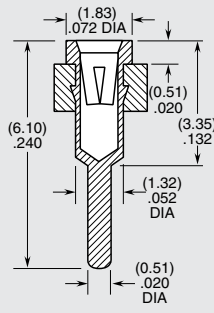
### Low Insertion Force (LIF) Available

-10

= Low Profile  
(Hollow Leg)

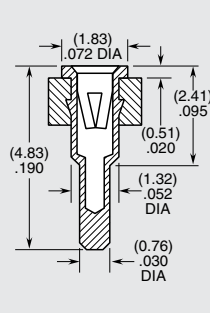
Contact Length =  
(2.11 mm) .083"  
Lead DIA Accepted =  
(0.38 mm) .015" to (0.51 mm) .020"  
Insertion Depth =  
(2.67 mm) .105" to (4.32 mm) .170"  
Style 10 Component Part No. =  
SC-3P1

-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

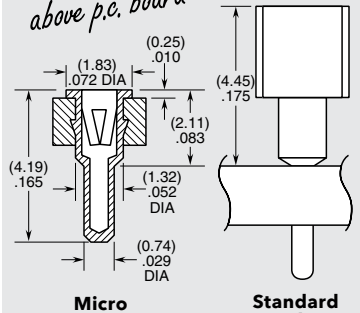
= Micro-Socket  
(Hollow Leg)

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

*Only .083" (2.11 mm)  
above p.c. board*

Micro  
SocketStandard  
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

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