

SL-120-G-10

# LOW PROFILE SOCKET STRIPS SL & SDL SERIES

## FEATURES

- Achieve low profile without sacrificing insertion depth!
- Choice of four precision screw machined lead styles.
- Exceptionally low profile, down to (2,11mm) .083" off of board.
- Mates with BBL or BDL for board stacking spaces down to (3,89mm) .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



**Contact/Shell Materials:** BeCu/Brass

**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

**Current Rating:** 1A

**Contact Resistance:** 10 mΩ max

**Insertion Force:** (Single contact only)  
Standard = 9 oz (2,50N) avg., 16oz (4,45N) max ((0,43mm) .017" DIA probe)

Low Insertion Force = 2.5oz (0,70N) avg., 5.5oz (1,53N) max ((0,43mm) .017" DIA probe except Style 30 (0,46mm) .018" DIA probe)

**Withdrawal Force:** (Single contact only)  
Standard = 2.5oz (0,70N) avg., 1.5oz (0,42N) min ((0,43mm) .017" DIA probe)

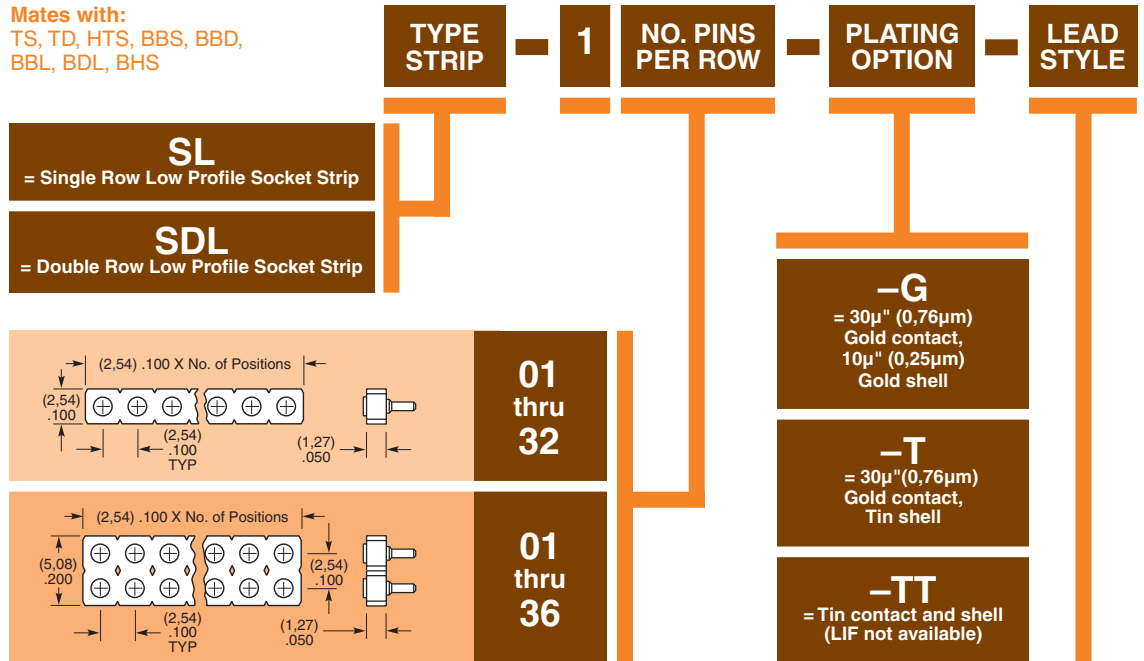
Low Insertion Force = 2.0oz (0,56N) avg., 0.5oz min ((0,43mm) .017" DIA probe except Style 30 is 2.0oz (0,56N) avg., .35oz (0,10N) min (0,46mm) .018" DIA probe)

**RoHS Compliant:** Yes

**Lead-Free Solderable:** Wave only

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

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



Low Insertion Force (LIF) Available

-10 Low Profile (Hollow Leg) For LIF specify -30	-11 Low Profile (Standard Mount) For LIF specify -31	-12 Micro-Socket (Hollow Leg) For LIF specify -32	-19 Micro-Socket (Hollow Leg) For LIF specify -39
<p>Contact Length = (2,11mm) .083" Lead DIA Accepted = (0,38mm) .015" to (0,51mm) .020" Insertion Depth = (2,67mm) .105" to (4,32mm) .170" Style 10 Component Part No. = SC-3P1 Style 30 Component Part No. = EZ-3P1</p>	<p>Contact Length = (1,58mm) .062" Lead DIA Accepted = (0,41mm) .016" to (0,53mm) .021" Insertion Depth = (2,03mm) .080" to (2,67mm) .105" Style 11 Component Part No. = SC-4P1 Style 31 Component Part No. = EZ-4P1</p>	<p>Contact Length = (1,58mm) .062" Lead DIA Accepted = (0,41mm) .016" to (0,51mm) .020" Insertion Depth = (1,65mm) .065" to (3,81mm) .150" Style 12 Component Part No. = SC-5P1 Style 32 Component Part No. = EZ-5P1</p>	<p><i>Only .083 (2.11) above p.c. board</i></p> <p>Contact Length = (1,58mm) .062" Lead DIA Accepted = (0,41mm) .016" to (0,51mm) .020" Insertion Depth = (1,65mm) .065" to (3,56mm) .140" Style 19 Component Part No. = SC-8P1 Style 39 Component Part No. = EZ-8P1</p> <p><b>Micro Socket</b></p> <p><b>Standard Socket</b> (Reference only. Not available with SL &amp; SDL)</p>

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

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)