

**SL, SDL SERIES**

**(2,54 mm) .100"**

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

**Plating:** Au or Sn over 50µ" (1,27 µm) Ni  
**Operating Temp Range:** -55°C to +125°C with Gold  
 -55°C to +105°C with Tin  
**Contact Resistance:** 10 mΩ

**Insertion Force:** (Single contact only)  
 Standard = 9 oz (2,50 N) avg., 16 oz (4,45 N) max ((0,43 mm) .017" DIA probe)  
 Low Insertion Force = 2.5 oz (0,70 N) avg., 5.5 oz (1,53 N) max ((0,43 mm) .017" DIA probe)

**Withdrawal Force:** (Single contact only)  
 Standard = 2.5 oz (0,70 N) avg., 1.5 oz (0,42 N) min ((0,43 mm) .017" DIA probe)  
 Low Insertion Force = 2.0 oz (0,56 N) avg., 0.5 oz (0,14 N) min ((0,43 mm) .017" DIA probe)

**RoHS Compliant: Yes**  
**Lead-Free Solderable:** Wave only

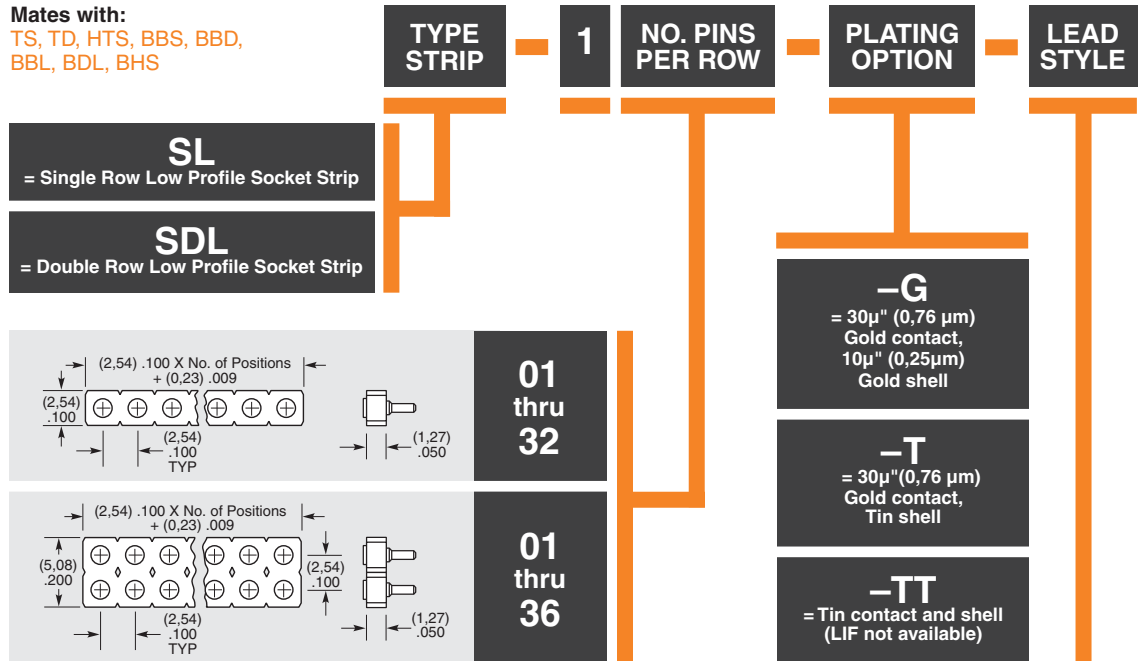
**RECOGNITIONS**

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



**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)	-11 Low Profile (Standard Mount) For LIF specify -31	-12 Micro-Socket (Hollow Leg)	-19 Micro-Socket (Hollow Leg) For LIF specify -39
<p>Dimensions: (1,83) .072 DIA, (3,10) .122, (0,76) .030, (5,84) .230, (1,32) .052 DIA, (0,76) .030 DIA</p> <p>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</p>	<p>Dimensions: (1,83) .072 DIA, (0,51) .020, (3,35) .132, (6,10) .240, (1,32) .052 DIA, (0,51) .020 DIA</p> <p>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</p>	<p>Dimensions: (1,83) .072 DIA, (2,41) .095, (0,51) .020, (4,83) .190, (1,32) .052 DIA, (0,76) .030 DIA</p> <p>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</p>	<p>Dimensions: (1,83) .072 DIA, (0,25) .010, (2,11) .083, (4,19) .165, (1,32) .052 DIA, (0,74) .029 DIA, (4,45) .175</p> <p><i>Only .083" (2,11 mm) above p.c. board</i></p> <p>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</p> <p><b>Micro Socket</b>  <b>Standard Socket</b>                  (Reference only. Not available with SL &amp; SDL)</p>