samtec

SL–120–G–10

SDL–115–G–19

SDL–125–TT–12

SL–110–TT–11

(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:
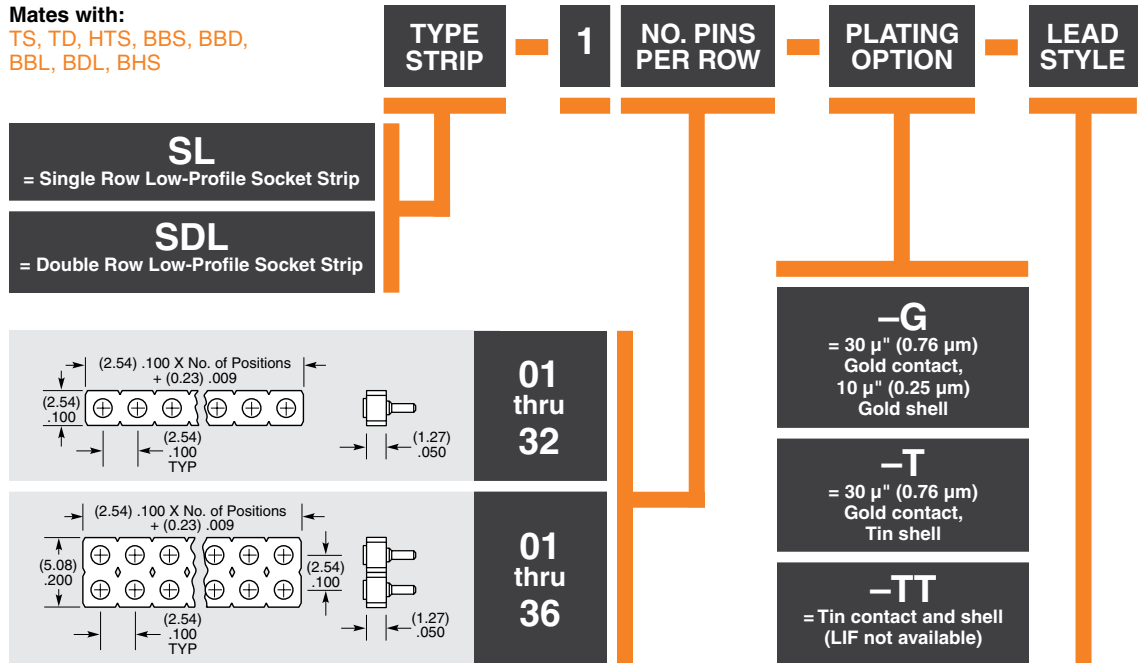SL: Yes
SDL: No, Lead Wave only

RECOGNITIONS

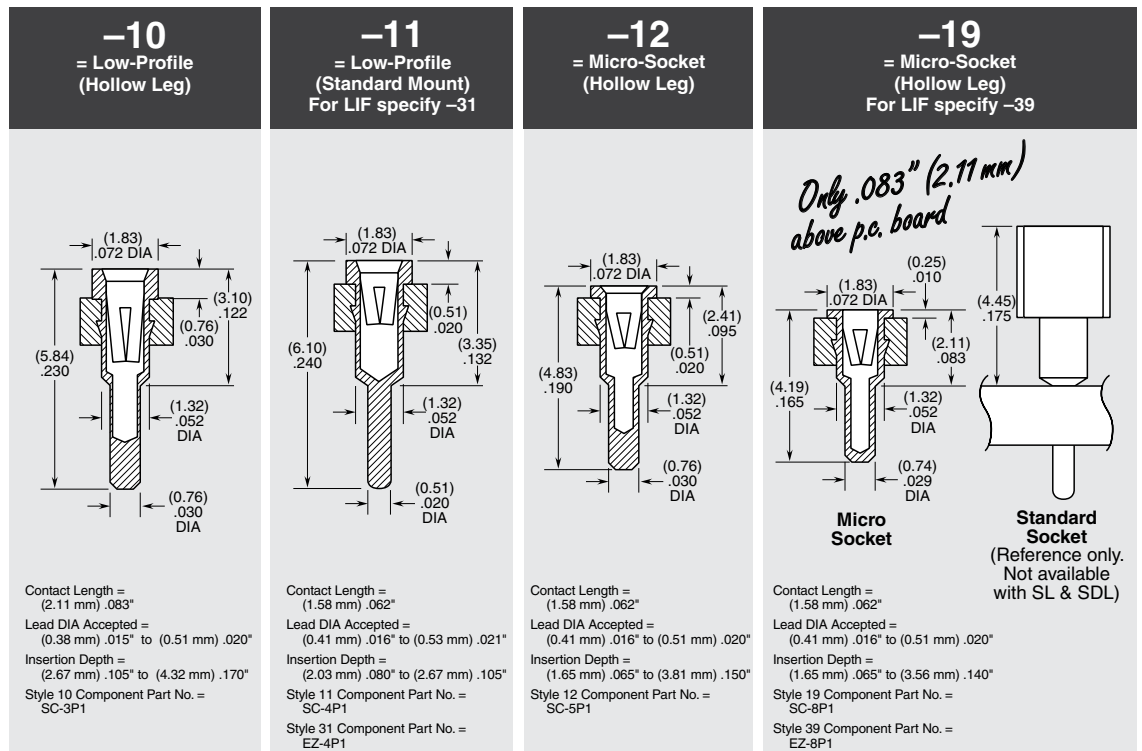For complete scope of recognitions see www.samtec.com/quality

UL
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

(2.54) .100 X No. of Positions + (0.23) .009
(2.54) .100
(2.54) .100 TYP
(1.27) .050

01 thru 32

(2.54) .100 X No. of Positions + (0.23) .009
(5.08) .200
(2.54) .100
(2.54) .100 TYP
(1.27) .050

01 thru 36

Low Insertion Force (LIF) Available

–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)

| **–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 |

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

–10
(1.83) .072 DIA
(3.10) .122
(0.76) .030
(5.84) .230
(1.32) .052 DIA
(0.76) .030 DIA

–11
(1.83) .072 DIA
(0.51) .020
(3.35) .132
(6.10) .240
(1.32) .052 DIA
(0.51) .020 DIA

–12
(1.83) .072 DIA
(2.41) .095
(0.51) .020
(4.83) .190
(1.32) .052 DIA
(0.76) .030 DIA

–19
(1.83) .072 DIA
(0.25) .010
(2.11) .083
(4.45) .175
(4.19) .165
(1.32) .052 DIA
(0.74) .029 DIA

Micro Socket

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

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

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

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

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