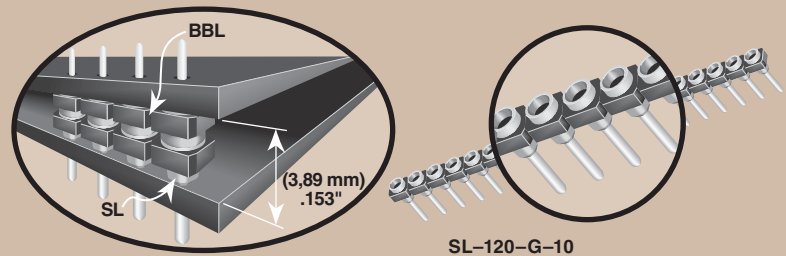


(2,54 mm) .100"

SL, SDL SERIES



SL-120-G-10

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

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

Current Rating:

1A per contact

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

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

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

TYPE
STRIP

1

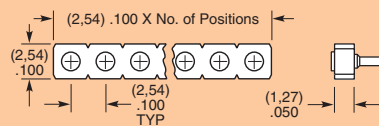
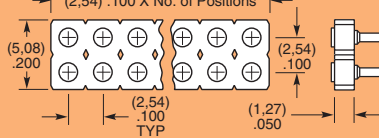
NO. PINS
PER ROWPLATING
OPTIONLEAD
STYLE

SL

= Single Row Low Profile Socket Strip

SDL

= Double Row Low Profile Socket Strip

01
thru
3201
thru
36

-G

= 30μ" (0,76 μm)

Gold contact,

10μ" (0,25μm)

Gold shell

-T

= 30μ" (0,76 μm)

Gold contact,

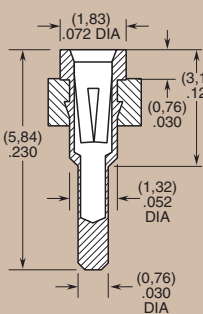
Tin shell

-TT

= Tin contact and shell
(LIF not available)

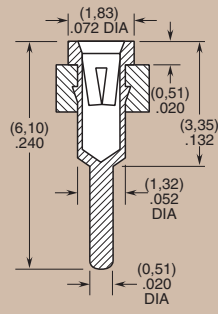
Low Insertion Force (LIF) Available

-10

Low Profile
(Hollow Leg)

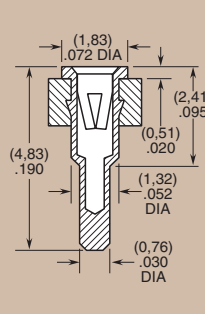
Contact Length =
(2,11 mm) .083"
Lead DIA Accepted =
(0,38 mm) .015" to (0,51 mm) .020"
Insertion Depth =
(2,67 mm) .105" to (4,32 mm) .170"
Style 10 Component Part No. =
SC-3P1

-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

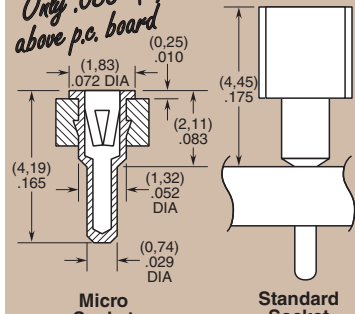
Micro-Socket
(Hollow Leg)

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

Only .083" (2,11 mm)
above p.c. board



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

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

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

WWW.SAMTEC.COM