

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 or 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

TYPE
STRIP

1

NO. PINS
PER ROW

PLATING
OPTION

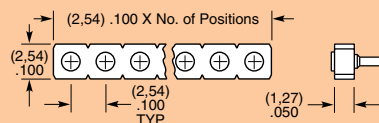
LEAD
STYLE

SL

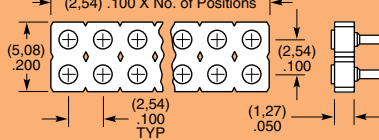
= Single Row Low Profile Socket Strip

SDL

= Double Row Low Profile Socket Strip



01
thru
32



01
thru
36

-G

= 30µ" (0,76µm)

Gold contact,

10µ" (0,25µm)

Gold shell

-T

= 30µ" (0,76µm)

Gold contact,

Tin shell

-TT

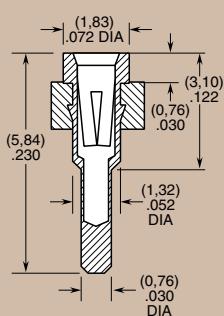
= Tin contact and shell
(LIF not available)

Low Insertion Force (LIF) Available

-10

Low Profile
(Hollow Leg)

For LIF specify -30

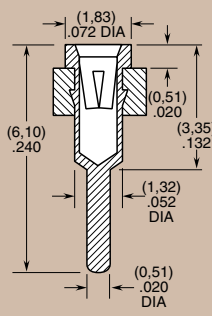


Contact Length = (2,11mm) .083"
Lead DIA Accepted = (0,38mm) .015" to (0,51mm) .020"
Insertion Depth = (2,67mm) .105" to (4,32mm) .170"
Style 10 Component Part No. = SC-3P1
Style 30 Component Part No. = EZ-3P1

-11

Low Profile
(Standard Mount)

For LIF specify -31

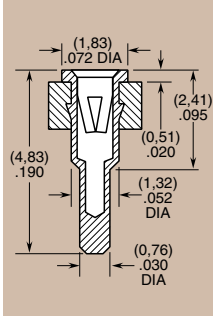


Contact Length = (1,58mm) .062"
Lead DIA Accepted = (0,41mm) .016" to (0,53mm) .021"
Insertion Depth = (2,03mm) .080" to (2,67mm) .105"
Style 11 Component Part No. = SC-4P1
Style 31 Component Part No. = EZ-4P1

-12

Micro-Socket
(Hollow Leg)

For LIF specify -32

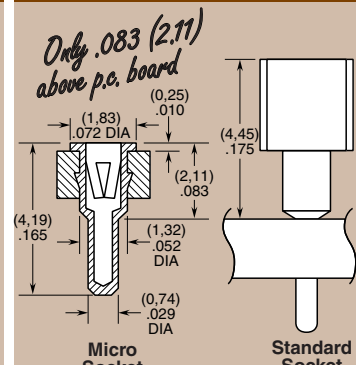


Contact Length = (1,58mm) .062"
Lead DIA Accepted = (0,41mm) .016" to (0,51mm) .020"
Insertion Depth = (1,65mm) .065" to (3,81mm) .150"
Style 12 Component Part No. = SC-5P1
Style 32 Component Part No. = EZ-5P1

-19

Micro-Socket
(Hollow Leg)

For LIF specify -39



Micro Socket

Standard Socket

(Reference only. Not available with SL & SDL)

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

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

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SAMTEC USA • Tel: 1-800-SAMTEC-9 or 812-944-6733 • Fax: 812-948-5047

SAMTEC GERMANY • Tel: +49 (0) 89 / 89460-0 • Fax: +49 (0) 89 / 89460-299

SAMTEC NORDIC/BALTIC • Tel: +46-84477280 • Fax: +46-87420413

SAMTEC JAPAN • Tel: 045-475-1385 • Fax: 045-475-1340

SAMTEC HONG KONG • Tel: 852-26904858 • Fax: 852-26904842

SAMTEC SILICON VALLEY • Tel: 408-395-5900 • Fax: 408-395-1520

SAMTEC FRANCE • Tel: 01 60 95 06 60 • Fax: 01 60 95 06 61

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SAMTEC UK • Tel: 01236 739292 • Fax: 01236 727113

SAMTEC ITALY • Tel: 39 039 6890337 • Fax: 39 039 6890315

SAMTEC INDIA • Tel: +91-80-3272 1612 • Fax: +91-80-4152 8187

SAMTEC TAIWAN • Tel: 886-2-2735-6109 • Fax: 886-2-2735-5036

SAMTEC ANZ • Tel: 613 9512 7747 • Fax: 613 9512 7745