

(2,54mm) .100"

SS, SD, ESD, ESS, HSS SERIES

PRECISION MACHINED SOCKET STRIPS

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

SPECIFICATIONS

For complete specifications
see www.samtec.com?SS,
www.samtec.com?ESS,
www.samtec.com?SD or
www.samtec.com?ESD

SS, SD, ESS, ESD

Insulator Material:
Black G.F. Polyester

Contact:
BeCu

Shell:
Brass

except Style 5A
Phosphor Bronze

Current Rating: 1A

Plating:

Au over 50μ" (1,27μm) Ni or
Sn over 50μ" (1,27μm) Ni

Operating Temp Range:
-55°C to +125°C

Contact Resistance:
10 mΩ max

Insertion Force:
(Single contact only)

Standard=
9oz (2,50N) avg.,
16oz (4,45N) max

Low Insertion Force=
2.5oz (0,70N) avg.,
5.5oz (1,53N) max

Withdrawal Force:
(Single contact only)

Standard=
2.5oz (0,70N) avg.,
1.5oz (0,42N) min

Low Insertion Force=
2.0oz (0,56N) avg.,
0.35oz (0,10N) min

Insertion Depth:
(-05 thru -08, -1X & -21X, -5A)

(3,18mm) .125" to
(3,99mm) .157"

Insertion Depth: (-2, -22, -38)
(2,41mm) .095" to
(3,68mm) .145"

Insertion Depth: (-7)
(2,41mm) .095" to
(3,51mm) .138"

RoHS Compliant:
Yes

Lead-Free Solderable:
Wave only

SPECIFICATIONS

For complete specifications
see www.samtec.com?HSS

HSS

Same as SS except:

Insulator Material:
Black Liquid Crystal Polymer

Max Processing Temp:
230°C for 60 seconds, or
260°C for 20 seconds 3x with
all Au

Lead-Free Solderable:
Wave, or reflow with all Au

TYPE STRIP — 1 — NO. PINS PER ROW — PLATING OPTION — LEAD STYLE — OPTION — OTHER OPTION

01 thru 32

= SS, ESS Series

01 thru 36

= HSS, SD & ESD Series

SS

= Standard Single
Row Socket

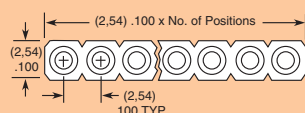
HSS

= High Temp Single
Row Socket

ESS

= Elevated Single Row Socket

Styles -5A & -05 thru -08 socket
heads not countersunk.



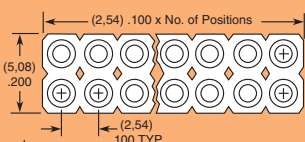
SD

= Standard Double
Row Socket

ESD

= Elevated Double
Row Socket

Style -5A not available.
Styles -5A & -05 thru -08 socket
heads not countersunk.



LIF= Low Insertion Force

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

PLATING
OPTION

-S

= 10μ" (0,25μm) Gold contact,
Tin shell
(Styles 2 & 22 only)

-T

= 30μ" (0,76μm) Gold contact,
Tin shell

-G

= 30μ" (0,76μm) Gold contact,
10μ" (0,25μm) Gold shell

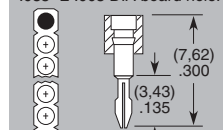
-TT

= Tin contact and shell
(Styles 1, 2, 18 and 21 only)
(and 05 thru 08,
except LIF N/A)

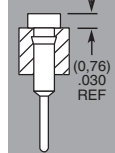
OPTION

-L = Locking
Socket

Add -L suffix for locking
lead socket in end positions.
Requires Style -2 or -22 and
.035" ± .003 DIA board hole.



Requires -T Plating Option

OTHER
OPTION-N
= Non
Flush

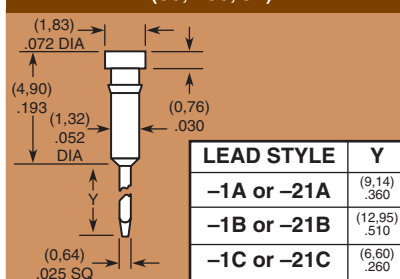
N/A Style -5A

ALSO AVAILABLE

Locking lead option on ESS
and ESD series. Contact Samtec.

-1A, -1B or -1C

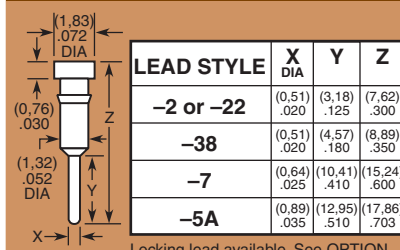
For LIF specify -21A, -21B or -21C
(SS, HSS, SD)



LEAD STYLE	Y
-1A or -21A	(9,14) .360
-1B or -21B	(12,95) .510
-1C or -21C	(6,60) .260

-2, -22*, -5A,
-7 or -38*

*For LIF specify -22 or -38 (SS, HSS, SD)

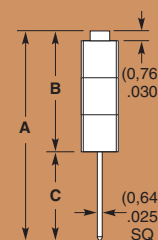


LEAD STYLE	X DIA	Y	Z
-2 or -22	(0,51) .020	(3,18) .125	(7,62) .300
-38	(0,51) .020	(4,57) .180	(8,89) .350
-7	(0,64) .025	(10,41) .410	(15,24) .600
-5A	(0,89) .035	(12,95) .510	(17,86) .703

Locking lead available. See OPTION.

-05, -06, -08

For LIF specify
-25, -26, -28
(ESS, ESD)



LEAD STYLE	A	B	C
05 or 25	(17,86) .703	(13,46) .530	(4,39) .173
06 or 26	(14,05) .553	(8,38) .330	(5,66) .223
08 or 28	(17,86) .703	(8,38) .330	(9,47) .373

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

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