

(2,54 mm) .100"

SS, SD, ESD, ESS, HSS SERIES

SS-132-G-2

ESD-115-G-05

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 per contact

Plating:

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

Operating Temp Range:
-55°C to +125°C

Contact Resistance:
10 mΩ

Lead Size Range:
(0,38 mm to 0,56 mm)
.015" to .022" DIA

Insertion Force:
(Single contact only)
Standard=

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

Low Insertion Force=

2.5 oz (0,70 N) avg.,
5.5 oz (1,53 N) max

Withdrawal Force:
(Single contact only)
Standard=

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

Low Insertion Force=

2.0 oz (0,56 N) avg.,
0.35 oz (0,10 N) min

Insertion Depth:
(-05, -1X & -21X, -5A)
(3,18 mm) .125" to
(3,99 mm) .157"

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

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

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

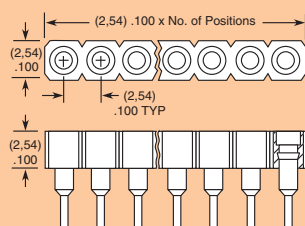
HSS

= High Temp Single
Row Socket

ESS

= Elevated Single Row Socket

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



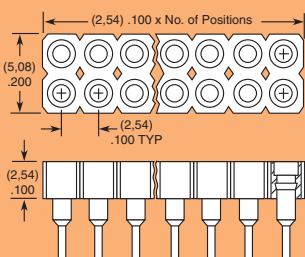
SD

= Standard Double
Row Socket

ESD

= Elevated Double
Row Socket

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



LIF= Low Insertion Force

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

-S

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

-T

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

-G

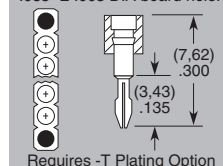
= 30µ" (0,76 µm) Gold contact,
10µ" (0,25 µm) Gold shell

-TT

= Tin contact and shell
(Styles 1, 2, 4, and 05
except LIF N/A)

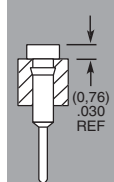
-L = Locking
Socket

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

-N
= Non
Flush



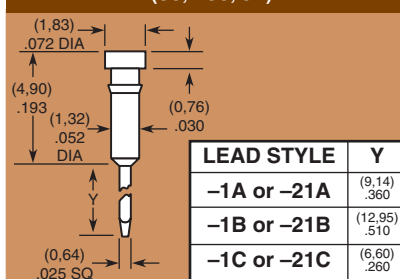
N/A Style -5A

ALSO AVAILABLE

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

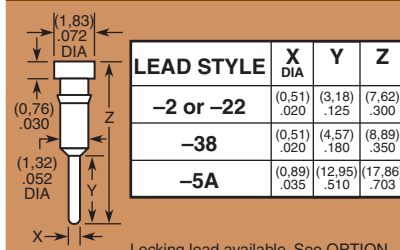
-1A, -1B or -1C

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



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

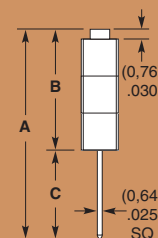
*For LIF specify -22 or -38 (SS, HSS, SD)



Locking lead available. See OPTION.

-03, -04, -05

For LIF specify -23
(ESS, ESD)



LEAD STYLE	A	B	C
05	(17,86) .703	(13,46) .530	(4,39) .173
03 or 23	(11,51) .453	(7,62) .300	(3,89) .153
04	(14,05) .553	(10,16) .400	(3,89) .153

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

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