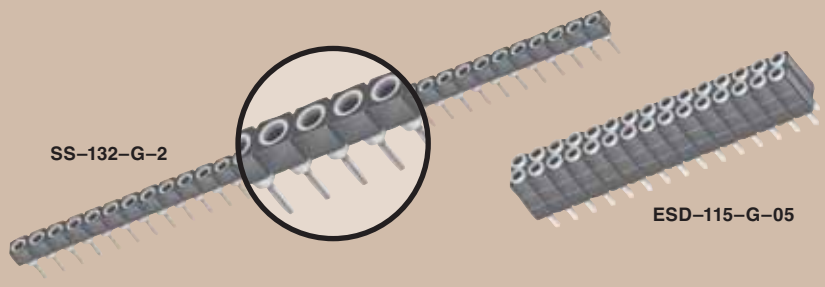
samtec



(2,54 mm) .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, www.samtec.com?ESD or www.samtec.com?HSS

Insulator Material:
SS, SD, ESS, ESD= Black G.F. Polyester
HSS= Black Liquid Crystal Polymer
Contact:
BeCu
Shell:
Brass except Style 5A Phosphor Bronze
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 and most IC leads
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

RECOGNITIONS

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

FILE NO. E111594

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

01 thru 32
= SS, ESS Series

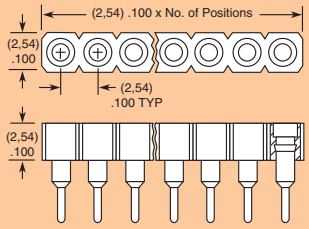
01 thru 36
= HSS, SD & ESD Series

SS
= Standard Single Row Socket

HSS
= High Temp Single Row Socket

ESS
= Elevated Single Row Socket

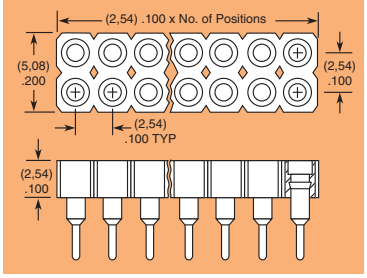
Styles –5A & –05 socket heads not countersunk.



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)

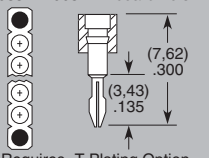
–T
= 30µ" (0,76 µm) Gold contact, Tin shell

–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)

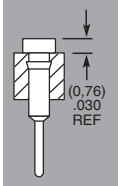
– L = Locking Socket

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



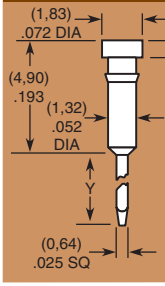
N/A Style –5A

ALSO AVAILABLE
(MOQ Required)

- Locking lead option on ESS and ESD series

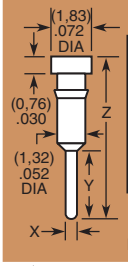
Contact Samtec.

–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

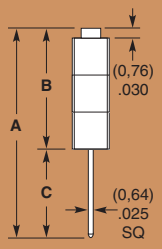
–2, –22*, –5A, or –38*
*For LIF specify –22 or –38 (SS, HSS, SD)



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
–5A	(0,89) .035	(12,95) .510	(17,86) .703

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	(8,38) .330	(3,12) .123
04	(14,05) .553	(10,92) .430	(3,12) .123

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