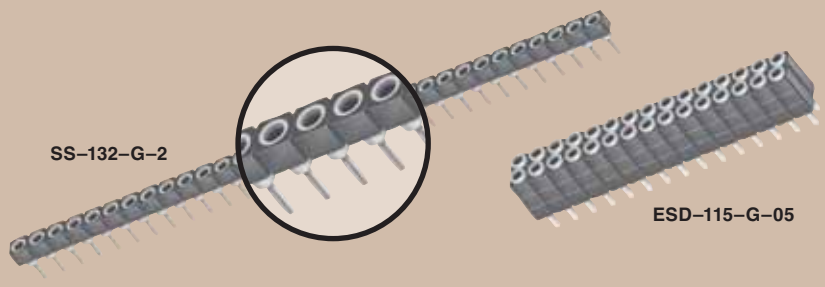
samtec




**(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

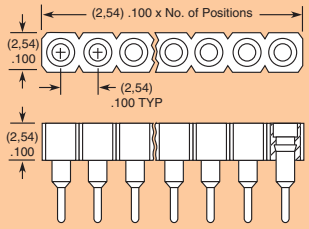
**01 thru 36**
= HSS, SD & ESD Series

**SS**
= Standard Single Row Socket

**HSS**
= High Temp Single Row Socket

**ESS**
= Elevated Single Row Socket

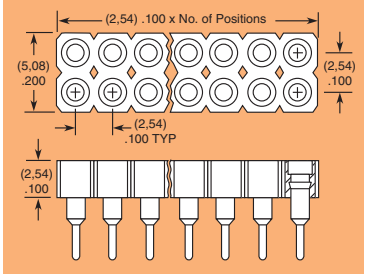
Styles –5A & –05 socket heads not countersunk.




**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)

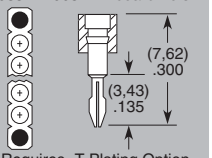
**–T**
= 30µ" (0,76 µm) Gold contact, Tin shell

**–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)

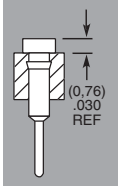
**– L** = Locking Socket

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



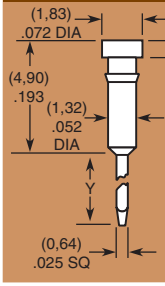

N/A Style –5A

## ALSO AVAILABLE
(MOQ Required)

- Locking lead option on ESS and ESD series

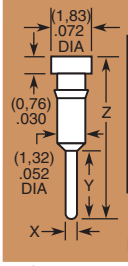
Contact Samtec.

## –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 |

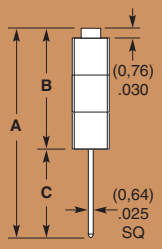
## –2, –22*, –5A, or –38*
*For LIF specify –22 or –38 (SS, HSS, SD)




| 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.*