

SS-132-G-2

ESD-115-G-05

(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](http://www.samtec.com)?SS, [www.samtec.com](http://www.samtec.com)?ESS, [www.samtec.com](http://www.samtec.com)?SD, [www.samtec.com](http://www.samtec.com)?ESD or [www.samtec.com](http://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](http://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 &amp; ESD Series

SS

= Standard Single Row Socket

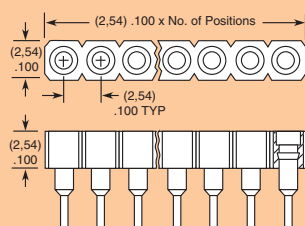
HSS

= High Temp Single Row Socket

ESS

= Elevated Single Row Socket

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



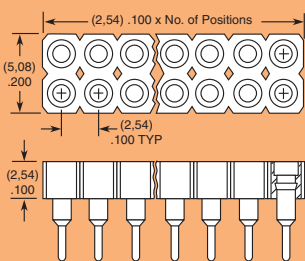
SD

= 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

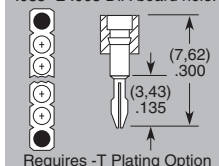
= 30µ" (0,76 µm) Gold contact,  
10µ" (0,25 µm) Gold shell

-TT

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

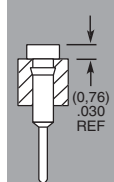
-L = Locking Socket

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



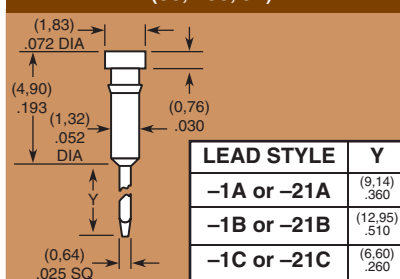
N/A Style -5A

## ALSO AVAILABLE (MOQ Required)

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

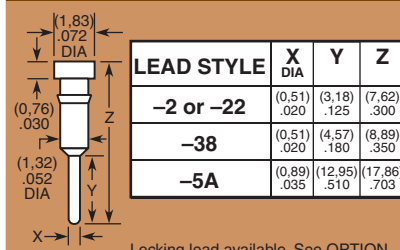
-1A, -1B or -1C

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



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

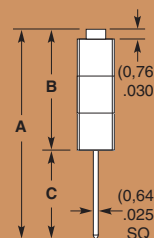
\*For LIF specify -22 or -38 (SS, HSS, SD)



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 | (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.

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