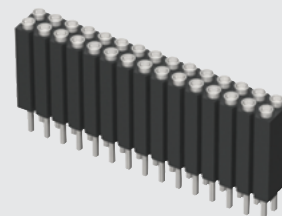


SS-132-G-2



ESD-115-TT-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?SS](http://www.samtec.com?SS), [www.samtec.com?ESS](http://www.samtec.com?ESS), [www.samtec.com?SD](http://www.samtec.com?SD), [www.samtec.com?ESD](http://www.samtec.com?ESD) or [www.samtec.com?HSS](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

### Note:

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

## TYPE STRIP

## 1

## NO. PINS PER ROW

## PLATING OPTION

## LEAD STYLE

## OPTION

## OTHER OPTION

**01 thru 32**  
= SS, ESS Series

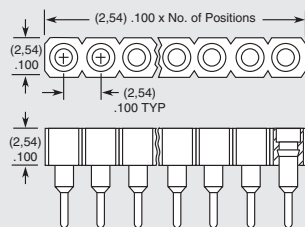
**01 thru 36**  
= HSS, SD & ESD Series

**SS**  
= Standard  
Single Row Socket

**HSS**  
= High Temp  
Single Row Socket

**ESS**  
= Elevated Single Row Socket

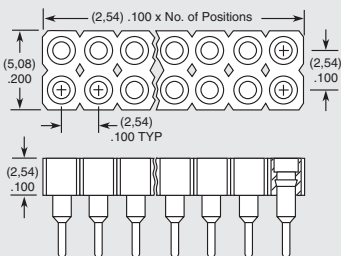
Styles -5A & -05 socket heads not countersunk.



**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

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

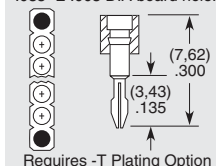
**-T**  
= 30µ" (0,76 µm) Gold contact,  
Tin shell

**-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)

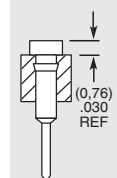
**-L** = Locking Socket

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

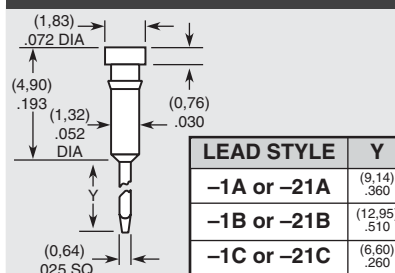


N/A Style -5A

## ALSO AVAILABLE (MOQ Required)

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

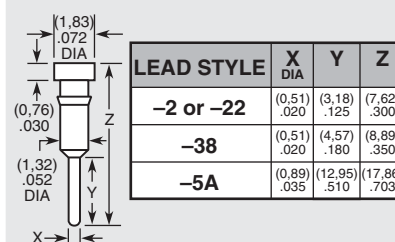
**-1A, -1B or -1C**  
For LIF specify -21A, -21B or -21C (SS, HSS, SD)



| 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\***

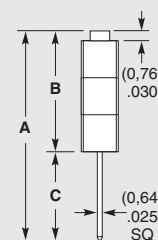
\*For LIF specify -22 or -38 (SS, HSS, SD)



| 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 |