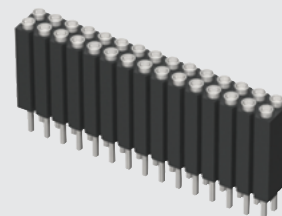


SS-132-G-2



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

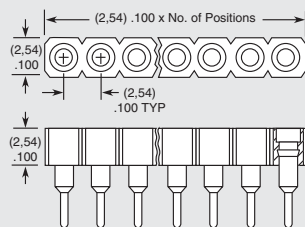
**HSS**

= High Temp  
Single Row Socket

**ESS**

= Elevated Single Row Socket

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



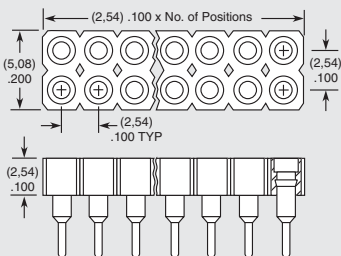
**SD**

= 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**

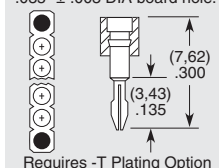
= 30µ" (0,76 µm) Gold contact,  
10µ" (0,25 µm) Gold shell

**-TT**

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

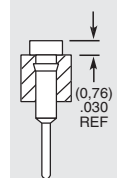
**-L = Locking Socket**

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



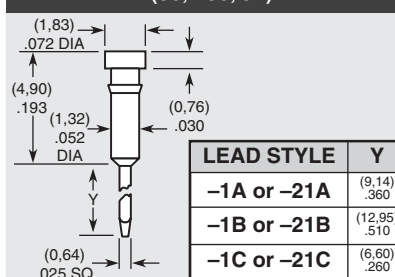
N/A Style -5A

## ALSO AVAILABLE (MOQ Required)

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

**-1A, -1B or -1C**

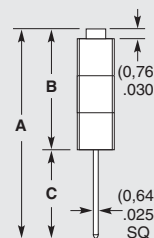
For LIF specify -21A, -21B or -21C  
(SS, HSS, SD)



| LEAD STYLE  | Y               |
|-------------|-----------------|
| -1A or -21A | (9,14)<br>.360  |
| -1B or -21B | (12,95)<br>.510 |
| -1C or -21C | (6,60)<br>.260  |

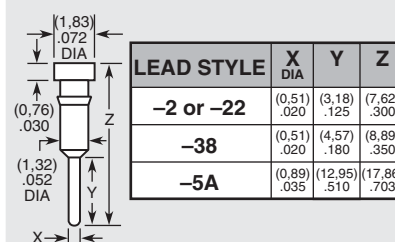
**-03, -04, -05**

For LIF specify -23  
(ESS, ESD)



**-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)<br>.020 | (3,18)<br>.125  | (7,62)<br>.300  |
| -38        | (0,51)<br>.020 | (4,57)<br>.180  | (8,89)<br>.350  |
| -5A        | (0,89)<br>.035 | (12,95)<br>.510 | (17,86)<br>.703 |

Locking lead available. See OPTION.

| LEAD STYLE | A               | B               | C              |
|------------|-----------------|-----------------|----------------|
| 05         | (17,86)<br>.703 | (13,46)<br>.530 | (4,39)<br>.173 |
| 03 or 23   | (11,51)<br>.453 | (8,38)<br>.330  | (3,12)<br>.123 |
| 04         | (14,05)<br>.553 | (10,92)<br>.430 | (3,12)<br>.123 |