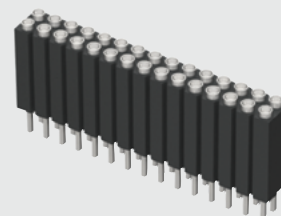


SS-132-G-2



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 50  $\mu$ " (1.27  $\mu$ m) Ni or  
Sn over 50  $\mu$ " (1.27  $\mu$ m) Ni

Operating Temp Range:  
-55 °C to +125 °C

Lead Size Range:  
(0.38 mm to 0.56 mm)

.015" to .022" DIA

and most IC leads

RoHS Compliant:

Yes

Lead-Free Solderable:

Wave only

## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



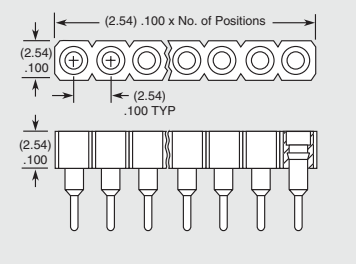
FILE NO. E111594

| TYPE STRIP | 1 | NO. PINS PER ROW                     | PLATING OPTION                                                                          | LEAD STYLE | OPTION                                                                                                                                       | OTHER OPTION      |
|------------|---|--------------------------------------|-----------------------------------------------------------------------------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
|            |   | 01 thru 32<br>= SS, ESS Series       | -S<br>= 10 $\mu$ " (0.25 $\mu$ m) Gold contact,<br>Tin shell<br>(Styles 2 & 22 only)    |            | -L = Locking Socket<br>Add -L suffix for locking lead socket in end positions. Requires Style -2 or -22 and .035" $\pm$ .003 DIA board hole. | -N = Non Flush    |
|            |   | 01 thru 36<br>= HSS, SD & ESD Series | -T<br>= 30 $\mu$ " (0.76 $\mu$ m) Gold contact,<br>Tin shell                            |            | <br>Requires -T Plating Option                                                                                                               | <br>N/A Style -5A |
|            |   |                                      | -G<br>= 30 $\mu$ " (0.76 $\mu$ m) Gold contact,<br>10 $\mu$ " (0.25 $\mu$ m) Gold shell |            |                                                                                                                                              |                   |
|            |   |                                      | -TT<br>= Tin contact and shell<br>(Styles 1, 2, 4, and 05 except LIF N/A)               |            |                                                                                                                                              |                   |

LIF= Low Insertion Force

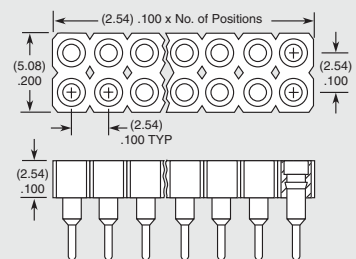
## ALSO AVAILABLE (MOQ Required)

- Locking lead option on ESS and ESD series



|                                    |                                     |
|------------------------------------|-------------------------------------|
| SS<br>= Standard Single Row Socket | ESS<br>= Elevated Single Row Socket |
|------------------------------------|-------------------------------------|

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



|                                    |                                     |
|------------------------------------|-------------------------------------|
| SD<br>= Standard Double Row Socket | ESD<br>= Elevated Double Row Socket |
|------------------------------------|-------------------------------------|

## -1A, -1B or -1C

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

| (1.83) .072 DIA | (4.90) .193  | (1.32) .052 DIA | (0.76) .030 | (0.64) .025 SQ |
|-----------------|--------------|-----------------|-------------|----------------|
|                 |              |                 |             |                |
| 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\*

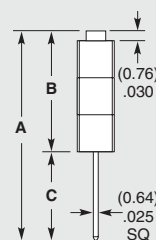
\*For LIF specify -22 or -38 (SS, HSS, SD)

| (1.83) .072 DIA | (0.76) .030 | (1.32) .052 DIA | X            | Y | Z |
|-----------------|-------------|-----------------|--------------|---|---|
|                 |             |                 |              |   |   |
| LEAD STYLE      |             |                 |              |   |   |
| -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 |

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

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

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)

All parts within this catalog are built to Samtec's specifications.

Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.