



(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) or [www.samtec.com?ESD](http://www.samtec.com?ESD)

### SS, SD, ESS, ESD

Insulator Material:  
Black G.F. Polyester  
Contact:  
BeCu



#### Shell:

Brass except Style 5A  
Phosphor Bronze

#### Current Rating:

1A per contact

#### 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

## SPECIFICATIONS

For complete specifications see [www.samtec.com?HSS](http://www.samtec.com?HSS)

### HSS

Same as SS except:

#### Insulator Material:

Black Liquid Crystal Polymer

#### Lead-Free Solderable:

Wave, or reflow with all Au



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					
	SD = Standard Double Row Socket					
	ESD = Elevated Double Row Socket					
			-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.	-N = Non Flush

## ALSO AVAILABLE

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

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

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.

-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	(7,62) .300	(3,89) .153
04	(14,05) .553	(10,16) .400	(3,89) .153

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

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