



(2,54mm) .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

Plating:  
Au over 50µ" (1,27µm) Ni or  
Sn over 50µ" (1,27µm) Ni  
Operating Temp Range:  
-55°C to +125°C

Contact Resistance:  
10 mΩ max

Lead Size Range:  
(0,38mm to 0,56mm) .015" to  
.022" DIA and most IC leads

Insertion Force:  
(Single contact only)

Standard=  
9oz (2,50N) avg.,  
16oz (4,45N) max

Low Insertion Force=  
2.5oz (0,70N) avg.,  
5.5oz (1,53N) max

Withdrawal Force:  
(Single contact only)

Standard=  
2.5oz (0,70N) avg.,  
1.5oz (0,42N) min

Low Insertion Force=  
2.0oz (0,56N) avg.,  
0.35oz (0,10N) min

Insertion Depth:  
(-05, -1X & -21X, -5A)

(3,18mm) .125" to  
(3,99mm) .157"

Insertion Depth: (-2, -22, -38)

(2,41mm) .095" to  
(3,68mm) .145"

RoHS Compliant:  
Yes

Lead-Free Solderable:  
Yes

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	-S = 10µ" (0,25µm) Gold contact, Tin shell (Styles 2 & 22 only)		-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
		01 thru 36 = HSS, SD & ESD Series	-T = 30µ" (0,76µm) Gold contact, Tin shell			
			-G = 30µ" (0,76µm) Gold contact, 10µ" (0,25µm) Gold shell			
			-TT = Tin contact and shell (Styles 1, 2, 4, 18 only) (and 05, except LIF N/A)			

## ALSO AVAILABLE

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

### 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.

### -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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