

(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

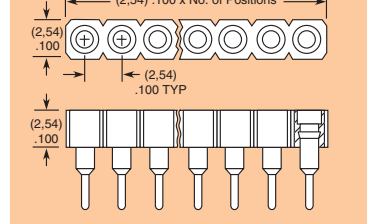
For complete specifications see [www.samtec.com?HSS](http://www.samtec.com?HSS)

### HSS

Same as SS except:  
Insulator Material:  
Black Liquid Crystal Polymer  
Lead-Free Solderable:  
Wave, or reflow with all Au

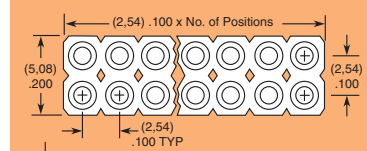


TYPE STRIP	1	NO. PINS PER ROW	PLATING OPTION	LEAD STYLE	OPTION	OTHER OPTION
		01 thru 32 = SS, ESS Series	-S = 10µ" (0,25µm) Gold contact, Tin shell (Styles 2 & 22 only)		-L = Locking Socket Add -L suffix for locking lead socket in end positions. Requires Style -2 or -22 and .035" ± .003" DIA board hole.	-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			
	SS = Standard Single Row Socket	HSS = High Temp Single Row Socket		-TT = Tin contact and shell (Styles 1, 2, 4, 18 only) (and 05, except LIF N/A)		
	ESS = Elevated Single Row Socket				ALSO AVAILABLE Locking lead option on ESS and ESD series. Contact Samtec.	
	Styles -5A & -05 socket heads not countersunk. 					



SD = Standard Double Row Socket  
ESD = Elevated Double Row Socket

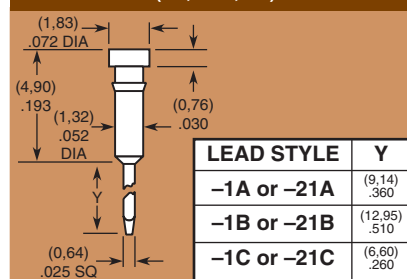
Style -5A not available. Styles -5A & -05 socket heads not countersunk.



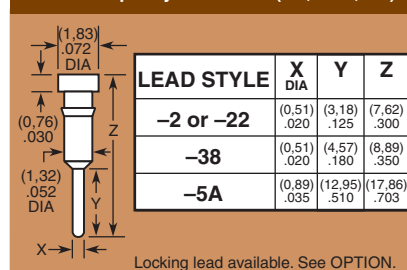
LIF= Low Insertion Force

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

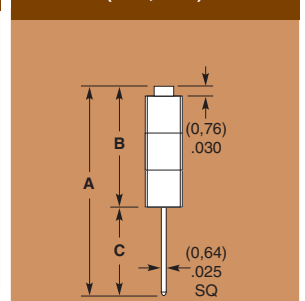
-1A, -1B or -1C  
For LIF specify -21A, -21B or -21C (SS, HSS, SD)



-2, -22\*, -5A, or -38\*  
\*For LIF specify -22 or -38 (SS, HSS, SD)



-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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