

# SOCKET STRIPS SS, SD, ESS, ESD & HSS SERIES

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

**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:**  
(-03 thru -08, -1X & -21X, -5A)  
(3,18mm) .125" to  
(3,99mm) .157"

**Insertion Depth:** (-2, -22, -38)  
(2,41mm) .095" to  
(3,68mm) .145"

**Insertion Depth:** (-7)  
(2,41mm) .095" to  
(3,51mm) .138"

**RoHS Compliant:** No  
**Lead-Free Solderable:**  
Wave only



## SPECIFICATIONS

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

### HSS

Same as SS except:

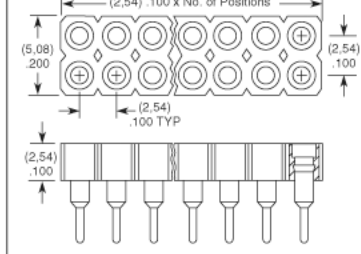
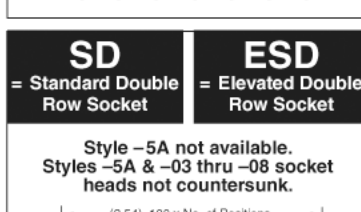
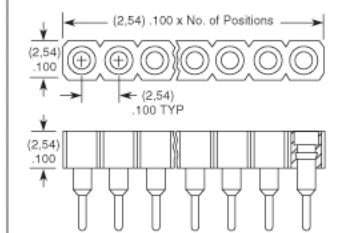
**Insulator Material:**  
Black Liquid Crystal Polymer

**Max Processing Temp:**  
230°C for 60 seconds, or  
260°C for 20 seconds 3x with all Au

**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	-G = 30µ" (0,76µm) Gold contact, 10µ" (0,25µm) Gold shell	-T = 30µ" (0,76µm) Gold contact, Tin shell	-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	-S = 10µ" (0,25µm) Gold contact, Tin shell (Styles 2 & 22 only)	-TT = Tin contact and shell (Styles 1, 2, 18 and 21 only) (and 03 thru 08, except LIF N/A)	Requires -T Plating Option	(0,76) .030 REF N/A Style -5A
SS = Standard Single Row Socket		HSS = High Temp Single Row Socket				
ESS = Elevated Single Row Socket		Styles -5A & -03 thru -08 socket heads not countersunk.				
SD = Standard Double Row Socket		Style -5A not available. Styles -5A & -03 thru -08 socket heads not countersunk.				
ESD = Elevated Double Row Socket						



LIF= Low Insertion Force

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

**ALSO AVAILABLE**  
Other lead styles available. Request FactSheet.

### -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

### -03, -04, -05, -06, -07, -08

For LIF specify -23, -24, -25, -26, -27, -28 (ESS, ESD)

### -2, -22\*, -5A, -7 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
-7	(0,64) .025	(10,41) .410	(15,24) .600
-5A	(0,89) .035	(12,95) .510	(17,86) .703

Locking lead available. See OPTION.

LEAD STYLE	A	B	C
03 or 23	(11,51) .453	(8,38) .330	(3,12) .123
04 or 24	(14,05) .553	(10,92) .430	(3,12) .123
05 or 25	(17,86) .703	(13,46) .530	(4,39) .173
06 or 26	(14,05) .553	(8,38) .330	(5,66) .223
07 or 27	(17,86) .703	(10,92) .430	(6,93) .273
08 or 28	(17,86) .703	(8,38) .330	(9,47) .373

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

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