



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, www.samtec.com?ESS, www.samtec.com?SD or www.samtec.com?ESD

SS, SD, ESS, ESD

Insulator Material:
Black Glass Filled Polyester



Operating Temp Range:
-65°C to +125°C

Contact:
BeCu

Shell:
Brass except Styles 5A Phosphor Bronze

Current Rating: 1A

Plating:
Au over 50µ" (1,27µm) Ni or Sn over 50µ" (1,27µm) Ni

Contact Resistance:
10 m 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: (-03 thru -08, -1X & -21X, -5A)

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

Insertion Depth: (-2, -22, -18, -38)

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

Insertion Depth: (-7)

(2,41mm to 3,51mm) .095" to .138"

SPECIFICATIONS

For complete specifications see www.samtec.com?HSS

HSS

Same as SS

except:

Insulator Material:
Black Liquid Crystal Polymer

Max Processing Temp:
230°C for 30 to 60 sec.



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)		
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		ESD = Elevated Double Row Socket				
Style -5A not available. Styles -5A & -03 thru -08 socket heads not countersunk.						

-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	(6,80) .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.

LIF= Low Insertion Force

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

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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