



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 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:
(-05 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:
Yes

Lead-Free Solderable:
Wave, or reflow with all Au

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 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 05 thru 08, except LIF N/A)	Requires -T Plating Option	N/A Style -5A
SS = Standard Single Row Socket		HSS = High Temp Single Row Socket				

ESS

= Elevated Single Row Socket

Styles -5A & -05 thru -08 socket heads not countersunk.

SD	ESD
= Standard Double Row Socket	= Elevated Double Row Socket
Style -5A not available. Styles -5A & -05 thru -08 socket heads not countersunk.	

LIF= Low Insertion Force

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

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

-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

-05, -06, -08

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

LEAD STYLE	A	B	C
05 or 25	(17,86) .703	(13,46) .530	(4,39) .173
06 or 26	(14,05) .553	(8,38) .330	(5,66) .223
08 or 28	(17,86) .703	(8,38) .330	(9,47) .373

-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.

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