



(2,54 mm) .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, www.samtec.com?ESS, www.samtec.com?SD, www.samtec.com?ESD or www.samtec.com?HSS

Insulator Material:
SS, SD, ESS, ESD= Black G.F. Polyester
HSS= Black Liquid Crystal Polymer

Contact:
BeCu

Shell:
Brass except Style 5A
Phosphor Bronze

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

Operating Temp Range:
-55°C to +125°C

Contact Resistance:
10 mΩ

Lead Size Range:
(0,38 mm to 0,56 mm)

.015" to .022" DIA and most IC leads

Insertion Force:
(Single contact only)

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

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

Withdrawal Force:
(Single contact only)

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

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

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

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

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

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

RoHS Compliant:
Yes

Lead-Free Solderable:
Wave only

RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality



FILE NO. E111594

TYPE STRIP	1	NO. PINS PER ROW	PLATING OPTION	LEAD STYLE	OPTION	OTHER OPTION
		01 thru 32 = SS, ESS Series	-S = 10µ" (0,25 µm) 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" (0,76 µm) Gold contact, Tin shell		Requires -T Plating Option	N/A Style -5A
	SS = Standard Single Row Socket	HSS = High Temp Single Row Socket	-G = 30µ" (0,76 µm) Gold contact, 10µ" (0,25 µm) Gold shell			
		ESS = Elevated Single Row Socket	-TT = Tin contact and shell (Styles 1, 2, 4, and 05 except LIF N/A)			

ALSO AVAILABLE (MOQ Required)

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

SD
= Standard Double Row Socket

ESD
= Elevated Double Row Socket

Style -5A not available. 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	(8,38) .330	(3,12) .123
04	(14,05) .553	(10,92) .430	(3,12) .123

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

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