



ESD-115-TT-05

SS, SD, ESD, ESS, HSS SERIES

PRECISION MACHINED SOCKET STRIPS

TS, TD, HTS, BBS,
BBD, BBL, BDL, BHS

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:

Shell:
Brass except Style 5A
Phosphor Bronze

Plating:
Au over 50 μ " (1.27 μ m) Ni or
Sn over 50 μ " (1.27 μ m) Ni
Operating Temp Range:
-55 $^{\circ}$ C to +125 $^{\circ}$ C

Lead Size Range:
(0.38 mm to 0.56 mm)
.015" to .022" DIA

RoHS Compliant:
Yes

Lead-Free Solderable:
Wave only

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 = 10 μ" (0.25 μm) Gold contact, Tin shell (Styles 2 & 22 only)	 Requires -T Plating Option	-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/A Style -5A
	01 thru 36 = HSS, SD & ESD Series		-T = 30 μ" (0.76 μm) Gold contact, Tin shell			
	SS = Standard Single Row Socket		HSS = High Temp Single Row Socket		-G = 30 μ" (0.76 μm) Gold contact, 10 μ" (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)	
Styles -5A & -05 socket heads not countersunk.			LIF= Low Insertion Force		• Locking lead option on ESS and ESD series	

ALSO AVAILABLE
(MOQ Required)

- Locking lead option on ESS and ESD series

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SD
= Standard Double Row Socket

ESD
= Elevated Double Row Socket

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

Technical drawings showing dimensions for SD and ESD socket types. The top drawing shows the top view with dimensions: (2.54) .100 x No. of Positions, (2.54) .100, and (2.54) .100 TYP. The bottom drawing shows the side view with dimensions: (2.54) .100, (5.08) .200, and (2.54) .100. The drawings illustrate the standard double row socket (SD) and the elevated double row socket (ESD) configurations.

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)

Diagram illustrating the dimensions for Lead Styles -03, -04, and -05. The dimensions are defined as follows:

- A**: Total length of the lead.
- B**: Length of the main body of the lead.
- C**: Length of the tail of the lead.
- 0.025 SQ**: Diameter of the tail.
- 0.64**: Length of the tail.
- 0.76**: Length of the main body.
- 0.030**: Diameter of the main body.

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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All parts within this catalog are built to Samtec's specifications.

Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.