



(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	NO. PINS PER ROW	PLATING OPTION	LEAD STYLE	OPTION	OTHER OPTION																						
1 01 thru 32 = SS, ESS Series 01 thru 36 = HSS, SD & ESD Series	SS = Standard Single Row Socket HSS = High Temp Single Row Socket	-S = 10µ" (0,25 µm) Gold contact, Tin shell (Styles 2 & 22 only) -T = 30µ" (0,76 µm) Gold contact, Tin shell -G = 30µ" (0,76 µm) Gold contact, 10µ" (0,25 µm) Gold shell -TT = Tin contact and shell (Styles 1, 2, 4, and 05 except LIF N/A)	-L = Locking Socket Add -L suffix for locking lead socket in end positions. Requires Style -2 or -22 and .035" ± .003" DIA board hole. Requires -T Plating Option	-N = Non Flush (0,76) .030 REF N/A Style -5A																							
					ESS = Elevated Single Row Socket Styles -5A & -05 socket heads not countersunk. 																						
SD = Standard Double Row Socket ESD = Elevated Double Row Socket	SD = Standard Double Row Socket ESD = Elevated Double Row Socket	-1A, -1B or -1C For LIF specify -21A, -21B or -21C (SS, HSS, SD) <table border="1"> <thead> <tr> <th>LEAD STYLE</th> <th>Y</th> </tr> </thead> <tbody> <tr> <td>-1A or -21A</td> <td>(9,14) .360</td> </tr> <tr> <td>-1B or -21B</td> <td>(12,95) .510</td> </tr> <tr> <td>-1C or -21C</td> <td>(6,60) .260</td> </tr> </tbody> </table>	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) <table border="1"> <thead> <tr> <th>LEAD STYLE</th> <th>X DIA</th> <th>Y</th> <th>Z</th> </tr> </thead> <tbody> <tr> <td>-2 or -22</td> <td>(0,51) .020</td> <td>(3,18) .125</td> <td>(7,62) .300</td> </tr> <tr> <td>-38</td> <td>(0,51) .020</td> <td>(4,57) .180</td> <td>(8,89) .350</td> </tr> <tr> <td>-5A</td> <td>(0,89) .035</td> <td>(12,95) .510</td> <td>(17,86) .703</td> </tr> </tbody> </table>	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
			LEAD STYLE	Y																							
-1A or -21A	(9,14) .360																										
-1B or -21B	(12,95) .510																										
-1C or -21C	(6,60) .260																										
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																								
-03, -04, -05 For LIF specify -23 (ESS, ESD) <table border="1"> <thead> <tr> <th>LEAD STYLE</th> <th>A</th> <th>B</th> <th>C</th> </tr> </thead> <tbody> <tr> <td>05</td> <td>(17,86) .703</td> <td>(13,46) .530</td> <td>(4,39) .173</td> </tr> <tr> <td>03 or 23</td> <td>(11,51) .453</td> <td>(8,38) .330</td> <td>(3,12) .123</td> </tr> <tr> <td>04</td> <td>(14,05) .553</td> <td>(10,92) .430</td> <td>(3,12) .123</td> </tr> </tbody> </table>	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											
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																								

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

LIF= Low Insertion Force

Locking lead available. See OPTION.

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

WWW.SAMTEC.COM