



(2.54 mm) .100"

SSM SERIES

TIGER CLAW™ SURFACE MOUNT SOCKET

Mates with:

TSW, MTSW, TST, TSS, ZST, ZSS, DW, EW, ZW, TSM, HMTSW, HTSW, TSSH, BST, HTSS, TLW, MTLW

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?SSM

Insulator Material: Black Liquid Crystal Polymer
Contact Material: Phosphor Bronze
Plating: Au or Sn over 50 μm (1.27 μm) Ni

Current Rating (SSM/TSW): 5.2 A per pin (2 pins powered)
Voltage Rating: 405 VAC / 572 VDC

Operating Temp Range: -55 °C to +125 °C with Gold
 -55 °C to +105 °C with Tin

Insertion Depth: SV/DV is (4.34 mm) .171" to (7.24 mm) .285" or pass-through from top; (5.56 mm) .219" plus board thickness minimum from bottom; SH/DH is (4.34 mm) .171" to (6.35 mm) .250"

Normal Force: 125 grams (1.21 N) average
RoHS Compliant: Yes

SSM	NO. PINS PER ROW	PLATING OPTION	ROW OPTION	OTHER OPTION
02 thru 36 (-SV, -SH, -DH)	02 thru 40 (-DV)	-F = Gold flash on contact, Matte Tin on tail -L = 10 μm (0.25 μm) Gold on contact, Matte Tin on tail -S = 30 μm (0.76 μm) Gold on contact, Matte Tin on tail	-BE = Bottom Entry (-DV & -SV only) -LC = Locking Clip (-DV & -SV only) Contact Samtec for -DH & -SH -K = (6.50 mm) .256" DIA Polyimide film Pick & Place Pad (2 positions min.) -DV & -SV only -"XXX" = Polarized Position (-BE not available) -TR = Tape & Reel Packaging (29 positions max.)	-M = Metal Pick & Place Pad (5 positions min.) -DV only -P = Plastic Pick & Place Pad (-DV & -SV only) (6 pos. minimum. Contact Samtec for availability on smaller positions)



ALSO AVAILABLE (MOQ Required)

- Alignment pin

APPLICATIONS



PROCESSING

Lead-Free Solderable: Yes
-DH Coplanarity: Less than 28 positions (0.15 mm) .006" max*
 More than 27 positions (0.20 mm) .008" max*
-SH, -SV, -DV Coplanarity: (0.15 mm) .006" max*
 *.004" stencil solution may be available; contact IPG@samtec.com)

RECOGNITIONS

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



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

-SV = Single Row Vertical Pin	-DV = Double Row Vertical Pin
<p>(2.54) .100 x No. of Positions (2.54) .100 (7.37) .290 (0.51) .020 (4.42) .174 L (0.13) .005</p>	<p>(2.54) .100 x No. of Positions (5.08) .200 (7.37) .290 (2.54) .100 (7.04) .277 (1.27) .050 (1.42) .056</p>
-SH = Single Row Horizontal Pin	-DH = Double Row Horizontal Pin
<p>(1.78) .070 (3.18) .125 (2.54) .100 x No. of Positions (0.89) .035 SQ TYP (11.00) .433 (8.13) .320 (0.51) .020</p>	<p>(2.54) .100 x No. of Positions (5.72) .228 (1.78) .070 (71) .070 (8.13) .320 (11.18) .440</p>

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

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