



(2,54 mm) .100"

SSM-116-S-SV

SSM-115-L-SH

SSM-120-S-DV

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 50µ" (1,27 µm) Ni
Current Rating (SSM/TSW): 5.2 A per pin (1 pin powered per row)
Voltage Rating: 475 VAC (-SV/-DV mated with TSW) 450 VAC (-SH/-DH mated with TSM)

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

Contact Resistance: 10 mΩ

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"

Insertion Force: (Single contact only) 5 oz (1,39 N) average
Normal Force: 125 grams (1,21 N) average
Withdrawal Force: (Single contact only) 2 oz (0,56 N) average
RoHS Compliant: Yes

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

RECOGNITIONS

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



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

SSM	1	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		-BE = Bottom Entry (-DV & -SV only)
			-L = 10µ" (0,25 µm) Gold on contact, Matte Tin on tail		-LC = Locking Clip (-DV & -SV only) Contact Samtec for -DH & -SH
			-S = 30µ" (0,76 µm) Gold on contact, Matte Tin on tail		-K = (6,50 mm) .256" DIA Polyimide film Pick & Place Pad (2 positions min.) -DV & -SV only
					-M = Metal Pick & Place Pad (5 positions min.) -DV only
ALSO AVAILABLE (MOQ Required) • Alignment pin Contact Samtec.					-P = Plastic Pick & Place Pad (-DV & -SV only) (6 pos. minimum, contact Samtec for availability on smaller positions)
					-“XXX” = Polarized Position (-BE not available)
					-TR = Tape & Reel Packaging (29 positions max.)

APPLICATIONS



HORIZONTAL

<p>-SV = Single Row Vertical Pin</p>	<p>-DV = Double Row Vertical Pin</p>
<p>-SH = Single Row Horizontal Pin</p>	<p>-DH = Double Row Horizontal Pin</p>

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

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