

(2,54 mm) .100"

SSM-115-L-SH

SSM-116-S-SV

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		-M = Metal Pick & Place Pad (5 positions min.) -DV only
			-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
					-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.)

ALSO AVAILABLE (MOQ Required)

- Alignment pin
- Contact Samtec.

APPLICATIONS



HORIZONTAL

-SV = Single Row Vertical Pin	-DV = Double Row Vertical Pin
Dimensions: (2,54) .100 x No. of Positions, (7,37) .290, (2,54) .100, (0,51) .020, (4,42) .174, (0,13) .005	Dimensions: (2,54) .100 x No. of Positions, (7,37) .290, (2,54) .100, (0,51) .020, (1,27) .050, (1,42) .056
-SH = Single Row Horizontal Pin	-DH = Double Row Horizontal Pin
Dimensions: (1,78) .070, (2,54) .100 x No. of Positions, (0,89) .035 SQ TYP, (11,00) .433, (0,25) .010, (8,13) .320, (0,51) .020	Dimensions: (2,54) .100 x No. of Positions, (5,72) .225, (1,78) .070, (8,13) .320, (11,18) .440, (0,51) .020

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

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