



(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:

360 VAC / 510 VDC

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.

