

(2.54 mm) .100"

SSM-115-L-SH

SSM-120-S-DV

SSM-116-S-SV

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:

405 VAC / 572 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

SSM - 1

NO. PINS
PER ROWPLATING
OPTIONROW
OPTIONOTHER
OPTION02 thru 36
(-SV, -SH, -DH)02 thru 40
(-DV)
ALSO AVAILABLE
(MOQ Required)

- Alignment pin
Contact Samtec.

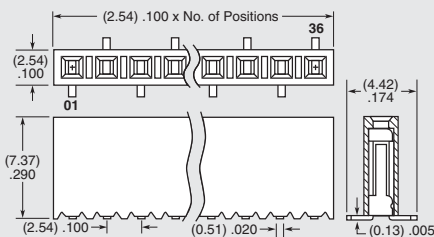
APPLICATIONS



HORIZONTAL

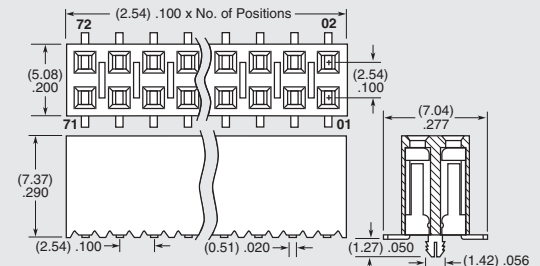
-SV

= Single Row Vertical Pin



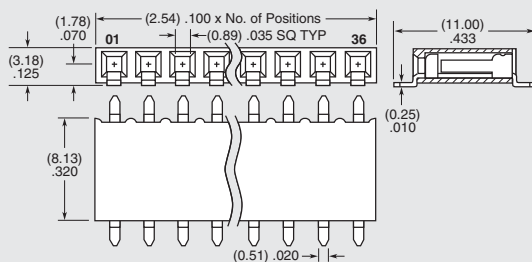
-DV

= Double Row Vertical Pin



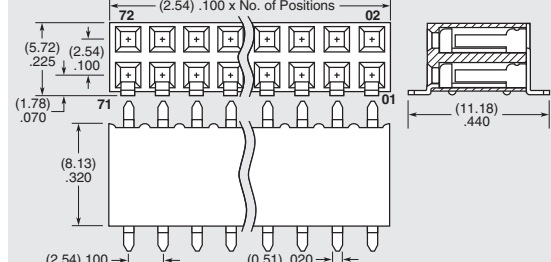
-SH

= Single Row Horizontal Pin



-DH

= Double Row Horizontal Pin



RECOGNITIONS

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



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