

(2,54mm) .100"

SSM SERIES

SSM-115-L-SH

SSM-120-S-DV

SSM-116-S-SV

SMT .025" SQ BOX SOCKET

Mates with:

 TSW, MTSW, TST,
 TSS, ZST, ZSS, DW,
 EW, ZW, TSM

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" (1,27µm) Ni

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 max

Insertion Depth:

SV/DV is (4,34mm) .171" to

(7,24mm) .285" or pass-through

from top; (5,56mm) .219" plus

board thickness minimum from

bottom; SH/DH is (4,34mm)

.171" to (6,35mm) .250"

Insertion Force:

(Single contact only)

5oz (1,39N) average

Normal Force:

125 grams (1,21N) average

Withdrawal Force:

(Single contact only)

2oz (0,56N) average

RoHS Compliant: Yes

| CURRENT RATING | |
|----------------|--------------------|
| AMBIENT TEMP | SSM mated with TSW |
| 20°C | 6.9A |
| 40°C | 6A |
| 60°C | 5.3A |
| 95°C | 3.5A |

6 POSITIONS (2x3) POWERED

Processing:
Max Processing Temp:

230°C for 60 seconds, or

260°C for 20 seconds 3x

Lead-Free Solderable:

Yes

-DH Coplanarity:

Less than 28 positions

(0,15mm) .006" max

More than 27 positions

(0,20mm) .008" max

-SH, -SV, -DV Coplanarity:

(0,15mm) .006" max

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)

APPLICATION SPECIFIC OPTION

Alignment Pin available.
Call Samtec.

-L
= 10µ" (0,25µm) Gold on contact,
Matte Tin on tail

-S
= 30µ" (0,76µm) 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
= (6,50mm) .256" DIA
Polyimide film
Pick & Place Pad
(5 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)

-SV
= Single Row Vertical Pin

-DV
= Double Row Vertical Pin

-SH
= Single Row Horizontal Pin

-DH
= Double Row Horizontal Pin

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

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