

SSM-120-S-DV

SSM-116-S-SV

Surface
SMT
Mount

.025^{sq} SMT SOCKET SSM SERIES

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, PdNi or
Sn over 50µ" (1,27µm) Ni

Current Rating:
3A @ 80°C ambient (-DV/-SV
mated with TSM-DV)
4A @ 80°C ambient (-DH/-SH
mated with TSW-D)

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

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

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

APPLICATION SPECIFIC OPTION

Alignment Pin available.
Call Samtec.

APPLICATIONS



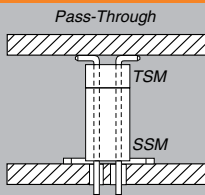
-L

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

-S

= 30µ" (0,76µm) Gold on contact,
Matte Tin on tail

APPLICATION



-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)

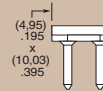
-M

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



-P

= Plastic Pick &
Place Pad
(-DV & -SV only)
(5 pos. minimum)

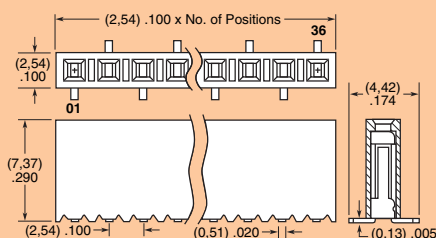


-TR

= Tape & Reel Packaging
(29 positions max.)

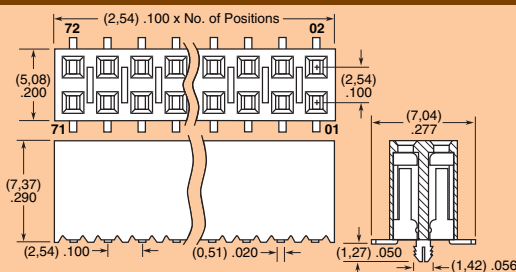
-SV

= Single Row Vertical Pin



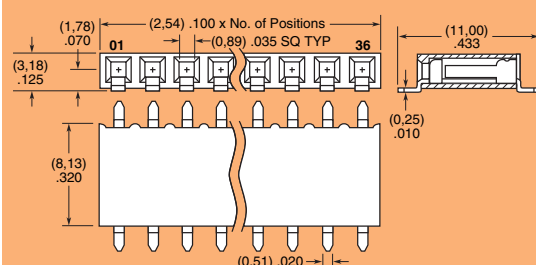
-DV

= Double Row Vertical Pin



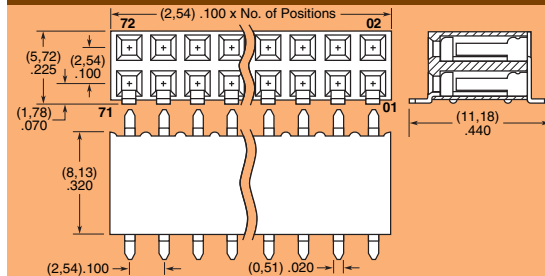
-SH

= 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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