



(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

50 μm (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"

Normal Force:

125 grams (1.21 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

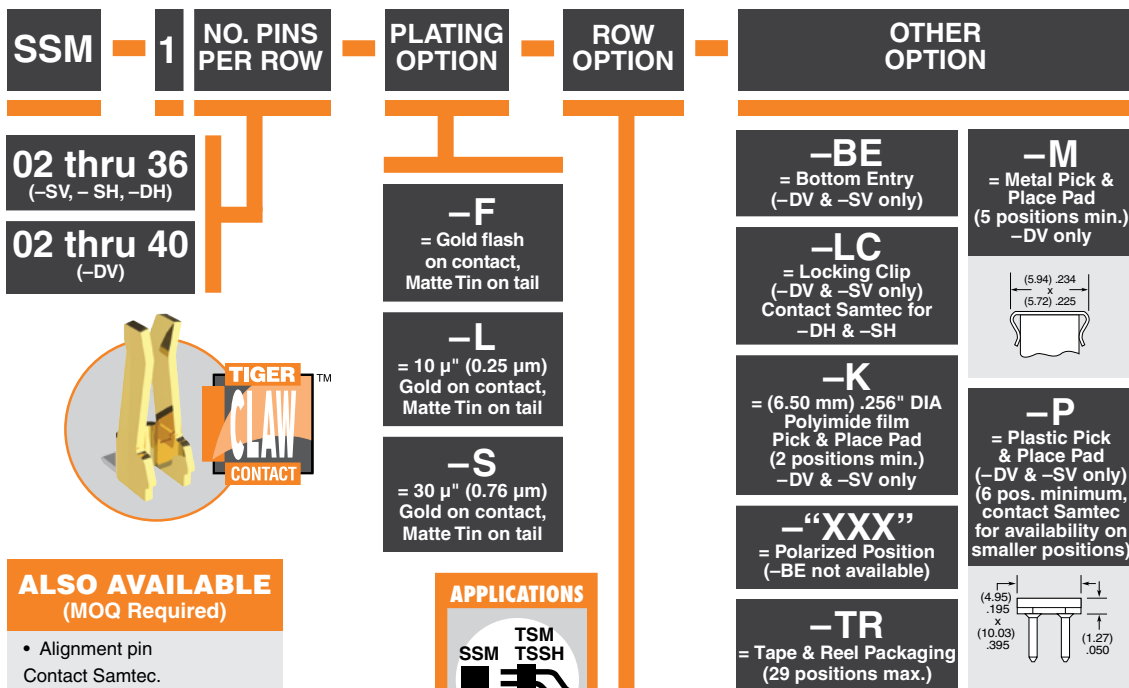
RECOGNITIONS

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



FILE NO. E111594 FILE NO. 090071_0_000

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



ALSO AVAILABLE (MOQ Required)

- Alignment pin
- Contact Samtec.

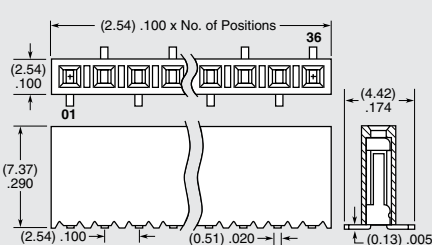
APPLICATIONS



HORIZONTAL

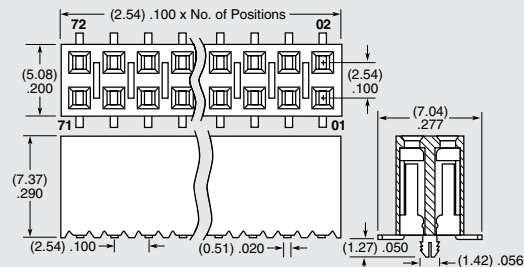
-SV

= Single Row Vertical Pin



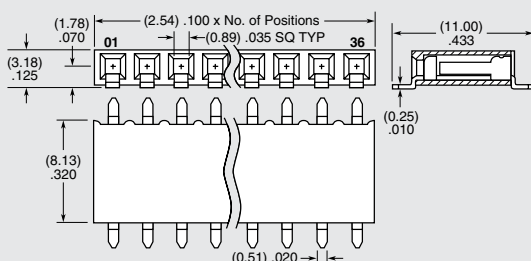
-DV

= Double Row Vertical Pin



-SH

= Single Row Horizontal Pin



-DH

= Double Row Horizontal Pin

