

FEATURES:

- Sharp click feel with a positive tactile feedback.
- Ultraminiature and light weight structure suitable for high density mounting. Economic but high reliability.
- Insert molding in the contact with special treatment prevents flux build-up during soldering and permits auto-dipping.

MATERIAL:

- Cover: Stainless Steel
- Base: LCP High Temp Thermoplastic.
Color: White
- Stem: LCP High Temp Thermoplastic
Color: Black
- Contact Disc: Stainless with silver cladding
- Terminal: Brass with silver cladding
- Tape: Teflon

SPECIFICATION

MECHANICAL

- Operation Force:
 - 160 ± 50gf Vertical Push
 - 220 ± 65gf Side Push
- Stroke: 0.2 +0.10/-0.05mm Side push
0.13 +0.10/-0.05mm Vertical push
- Operation Temperature Range: -25°C to +70°C
- Storage Temperature Range: -30°C to +80°C
- Vibration Test: MIL-STFD-202F METHOD 201A.
 - Frequency: 10-55-10Hz/1 minute
 - Directions: X,Y,Z, three mutually perpendicular directions.
 - Time: 2 hours each direction.
 - High reliability.
- Shock Test: MIL-STD-202F METHOD 213B
CONDITION A.
 - Gravity: 50G (peak value), 11 msec
 - Direction and times: 6 sides and 3 times in each direction.
 - High reliability.

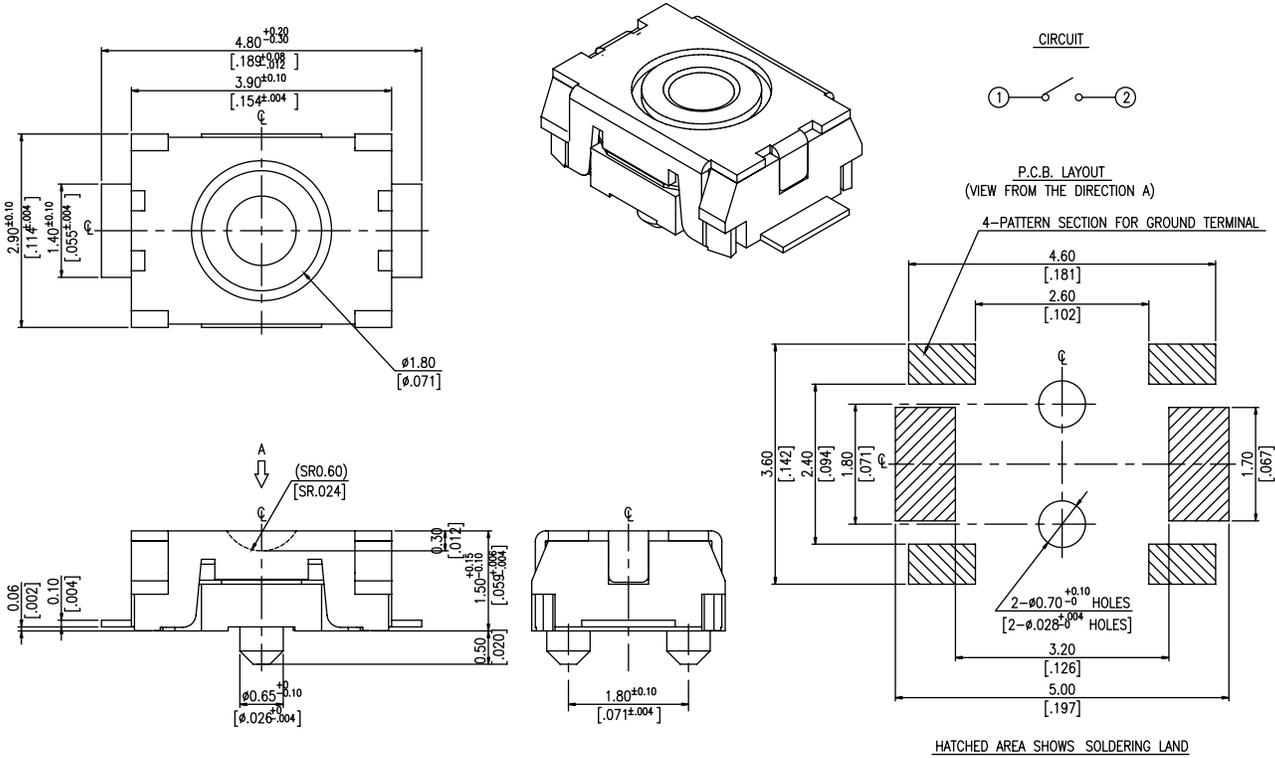
ELECTRICAL

- Electrical Life: 100 000 cycles (Side Push)
- Electrical Life: 200 000 cycles (Vertical Push)
- Rating: 50mA, 12VDC.
- Contact Resistance: 100mΩ max.
- Insulation Resistance: 100MΩmin. at 100VDC.
- Dielectric Strength: 100VAC/1 minute.
- Contact Arrangement 1 pole 1 throw

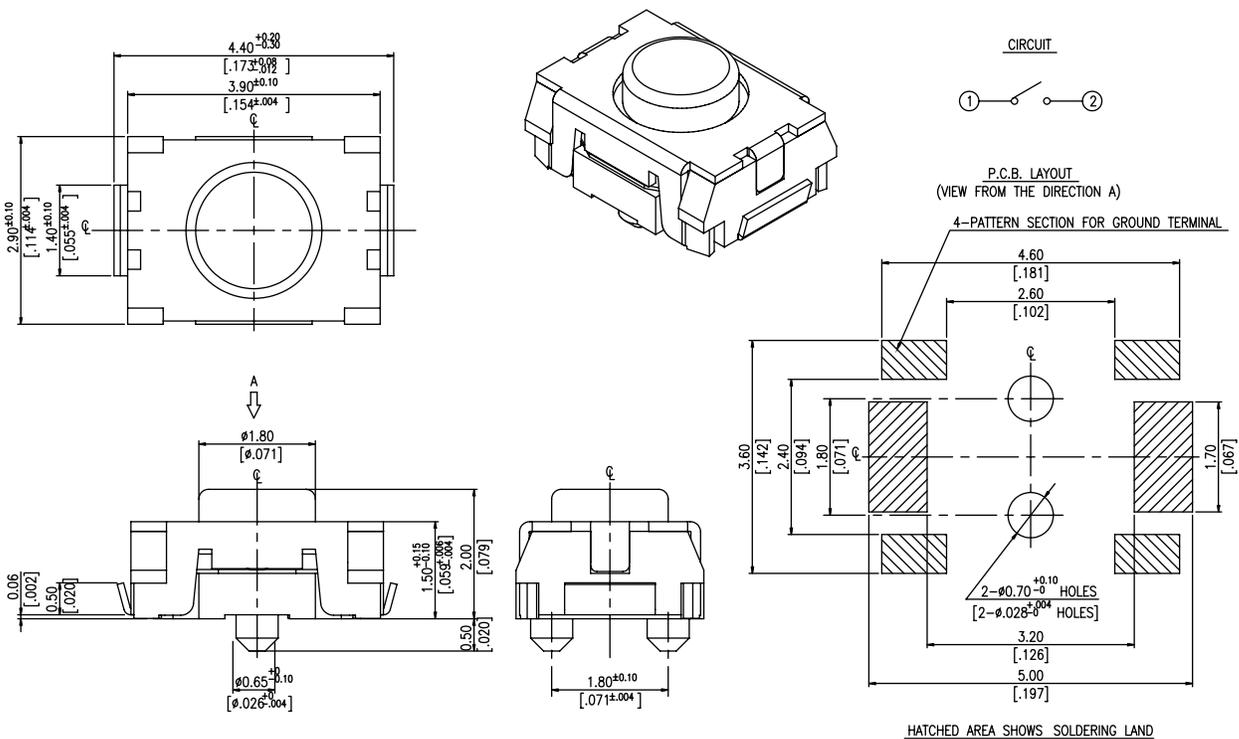
Packaging:

Part Number	Number per Reel
SMSVP-□FG	3500
SMSVP-□LG	3500
SMSVP-□F□1.5	2000
SMSVP-□L□2.0	2000

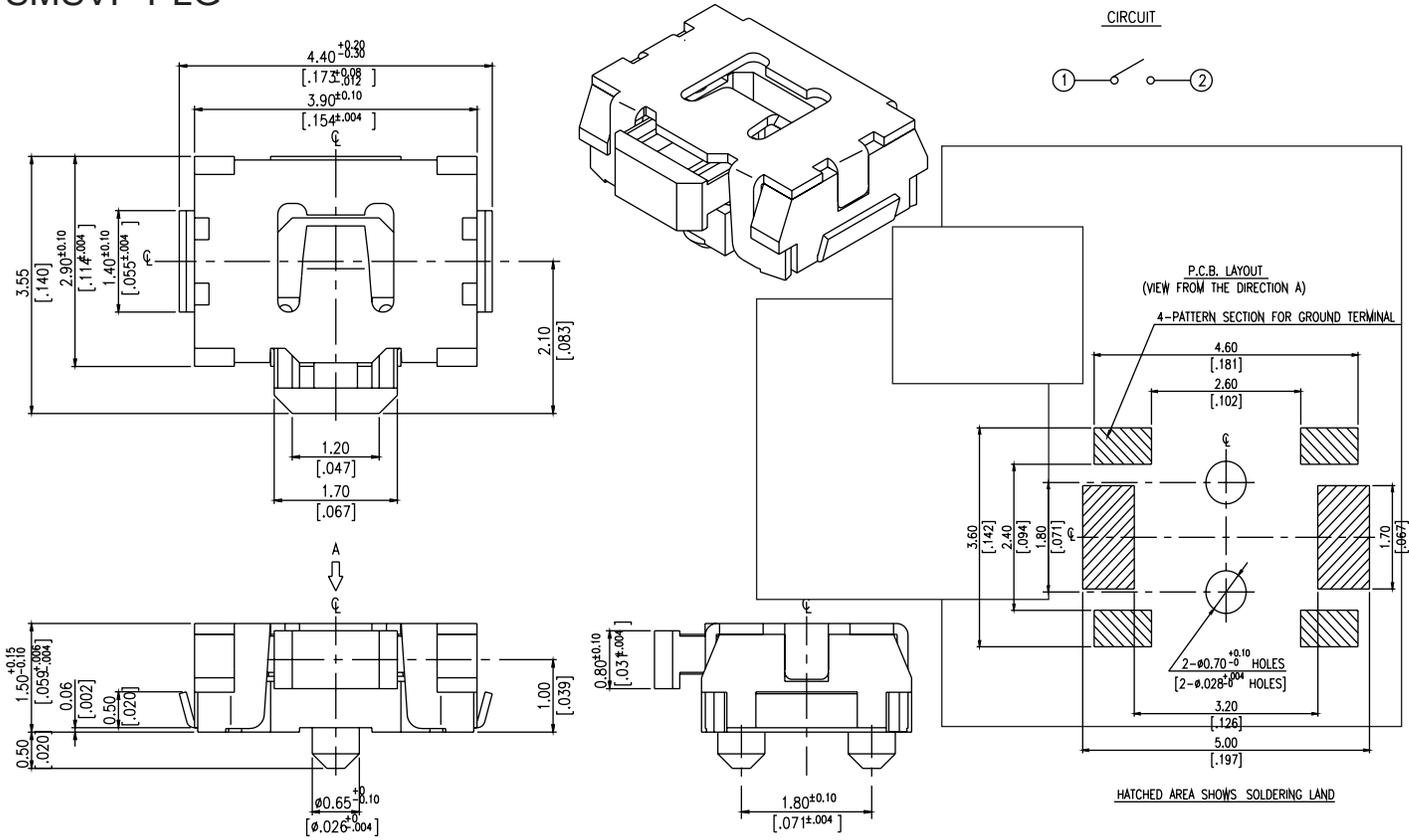
SMSVP-PFG1.5



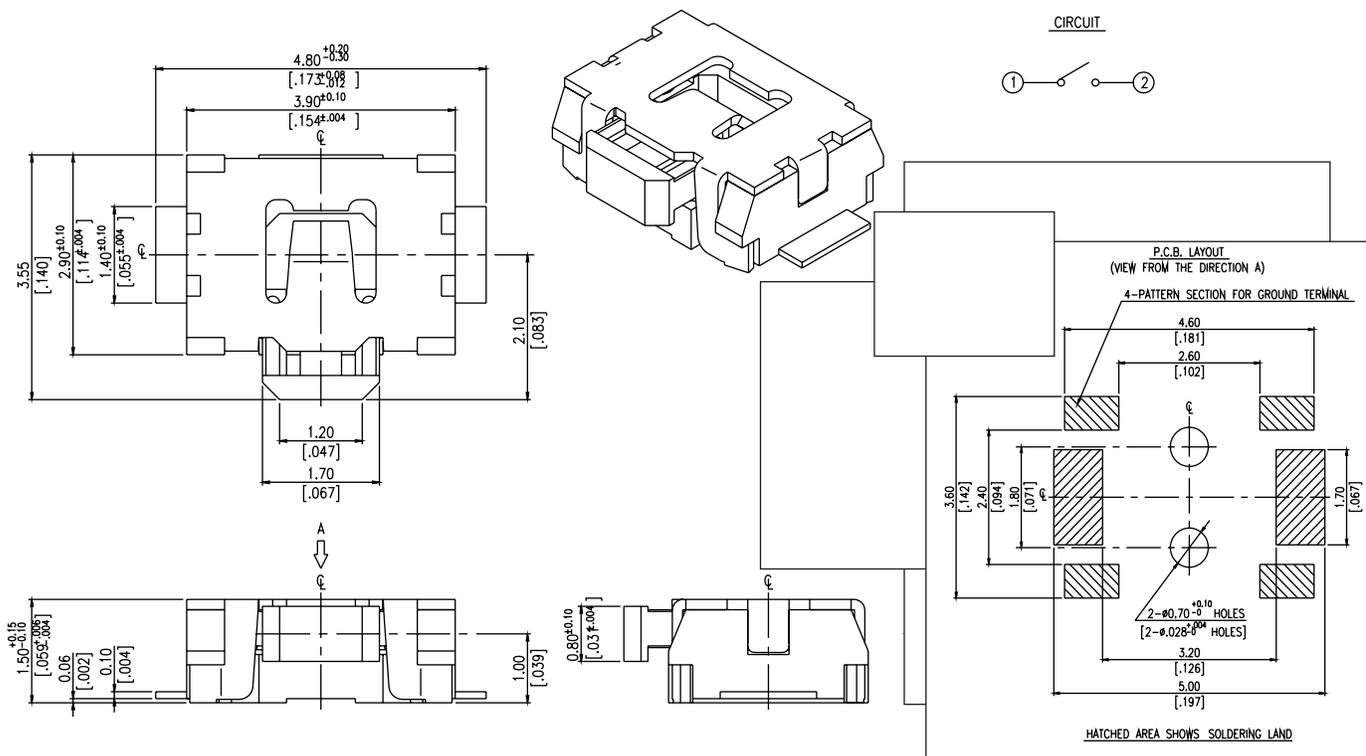
SMSVP-PLG2.0



SMSVP-PLG

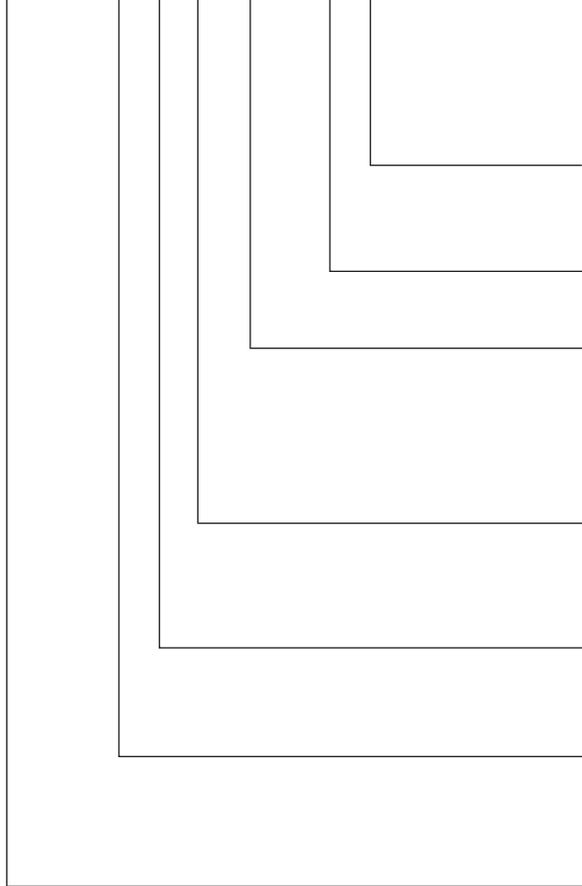


SMSVP-PFG



HOW TO ORDER:

SMSVP - □ □ □ □ - □ □



Package Style:
T/R = Tape & Reel

Soldering:
R = Lead Free Solderable

Stem Height For Vertical Push Type:

□ = Side Push
1.5 = 1.5mm
2.0 = 2.0mm

□ = Without ground terminal
G = With Ground Terminal

Terminal Type:
L = With Bending Terminal
F = With Flat Terminal

Pilot:
□ = Without Pilot
P = With Pilot

Miniature side / Vertical Push Switch

Soldering Process

▲ Hand Soldering : Use a soldering iron of 30 watts, controlled at 350z°C approximately max 5 seconds while applying.

▲ Reflow Soldering : When applying reflow soldering the peak temperature or the reflow oven should be set to 260°C max.

