

FEATURES:

- Sharp click feel with a positive tactile feedback. Due to a small movement distance (stroke), user experiences distinct sensation when the switch “clicks” into place.
- 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: Nickel Silver(STS2N-6Y, STS2N-6Z)
Stainless Steel(STS2N-6ZG)
- Base: UL94V-0 Nylon High Temp. Thermoplastic.
Color: Black
- Stem: UL94V-0 Nylon Thermoplastic.
Color: Black(100gf), Brown(160gf),
Red(260gf)
- Contact Disc: Stainless with silver cladding.
- Terminal: Brass with silver plated.

SPECIFICATION

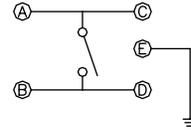
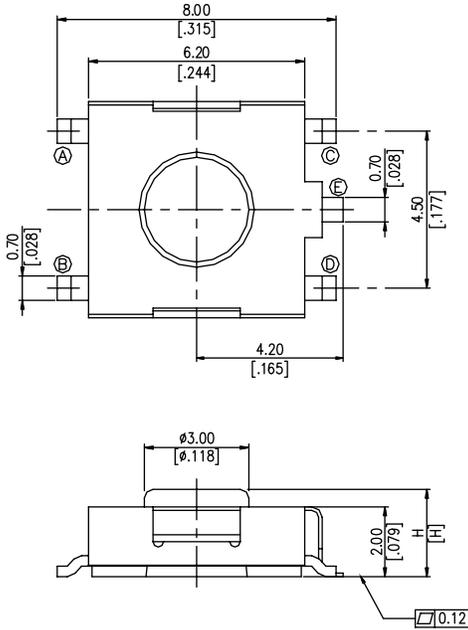
MECHANICAL

- Operation Force:
 - 260 ± 50gf Red (R)
 - 160 ± 50gf Brown (N)
 - 100 ± 50gf Black (K)
- Stroke: 0.25 +0.2mm/ -0.1mm
- 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.

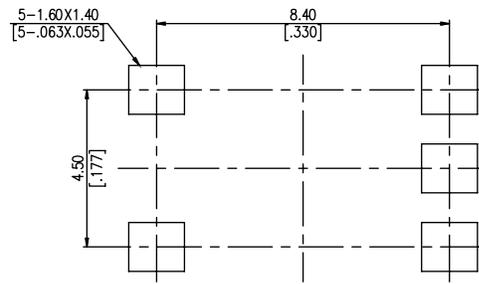
ELECTRICAL

- Electrical Life:
 - 100 000 cycles for 260gf
 - 200 000 cycles for 100gf, 160gf
- Rating: 50mA, 12VDC.
- Contact Resistance: 100mΩ max.
- Insulation Resistance: 100MΩmin. at 500VDC.
- Dielectric Strength: 250VAC/1 minute.
- Contact Arrangement 1 pole 1 throw

STS2N-6ZG



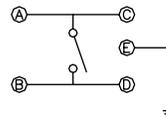
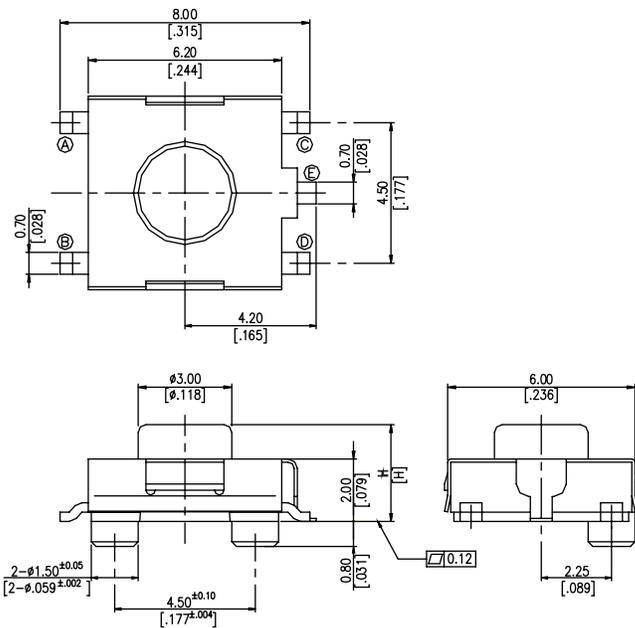
CIRCUIT DIAGRAM



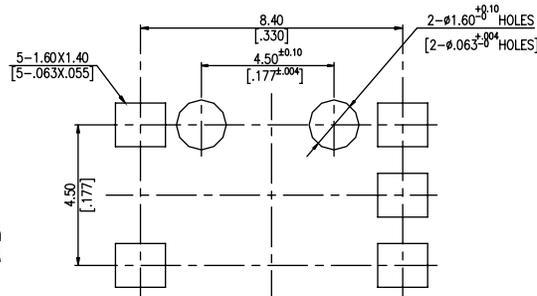
PCB LAYOUT

STS2N-6ZG-□2	3.1mm[.122]
STS2N-6ZG-□1	2.5mm[.098]
Part No.	H

STS2N-6ZGP



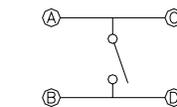
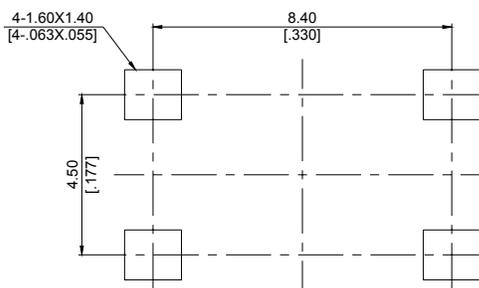
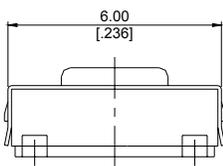
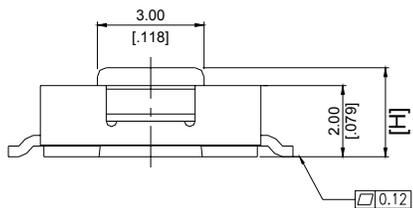
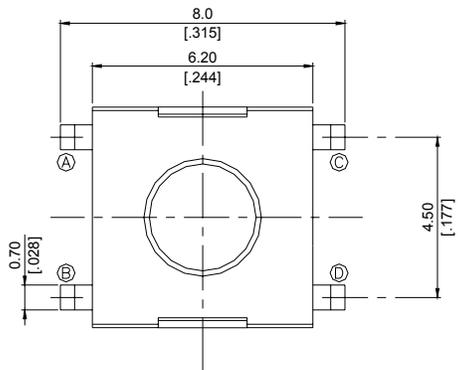
CIRCUIT DIAGRAM



PCB LAYOUT

STS2N-6ZGP-□2	3.1[.122]
STS2N-6ZGP-□1	2.5[.098]
Part No.	H

STS2N-6Z

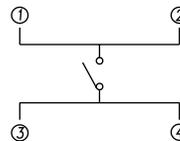
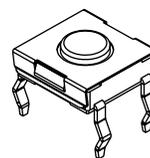
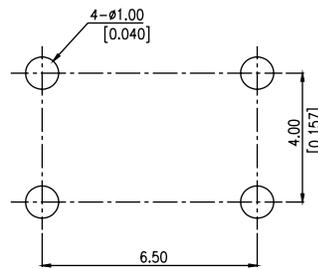
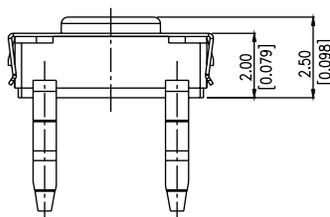
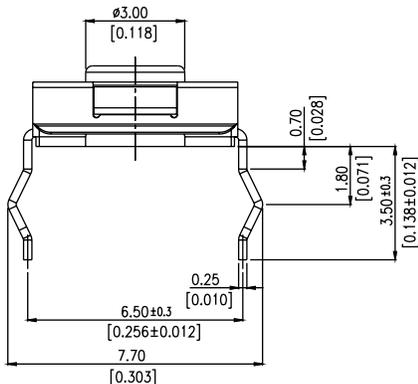
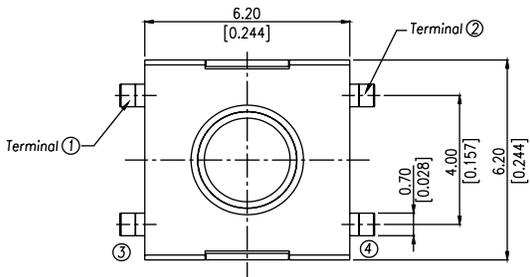


CIRCUIT DIAGRAM

STS2N-6Z-□2	3.1mm[.122]
STS2N-6Z-□1	2.5mm[.098]
Part No.	H

P.C.B. LAYOUT

STS2N-6Y

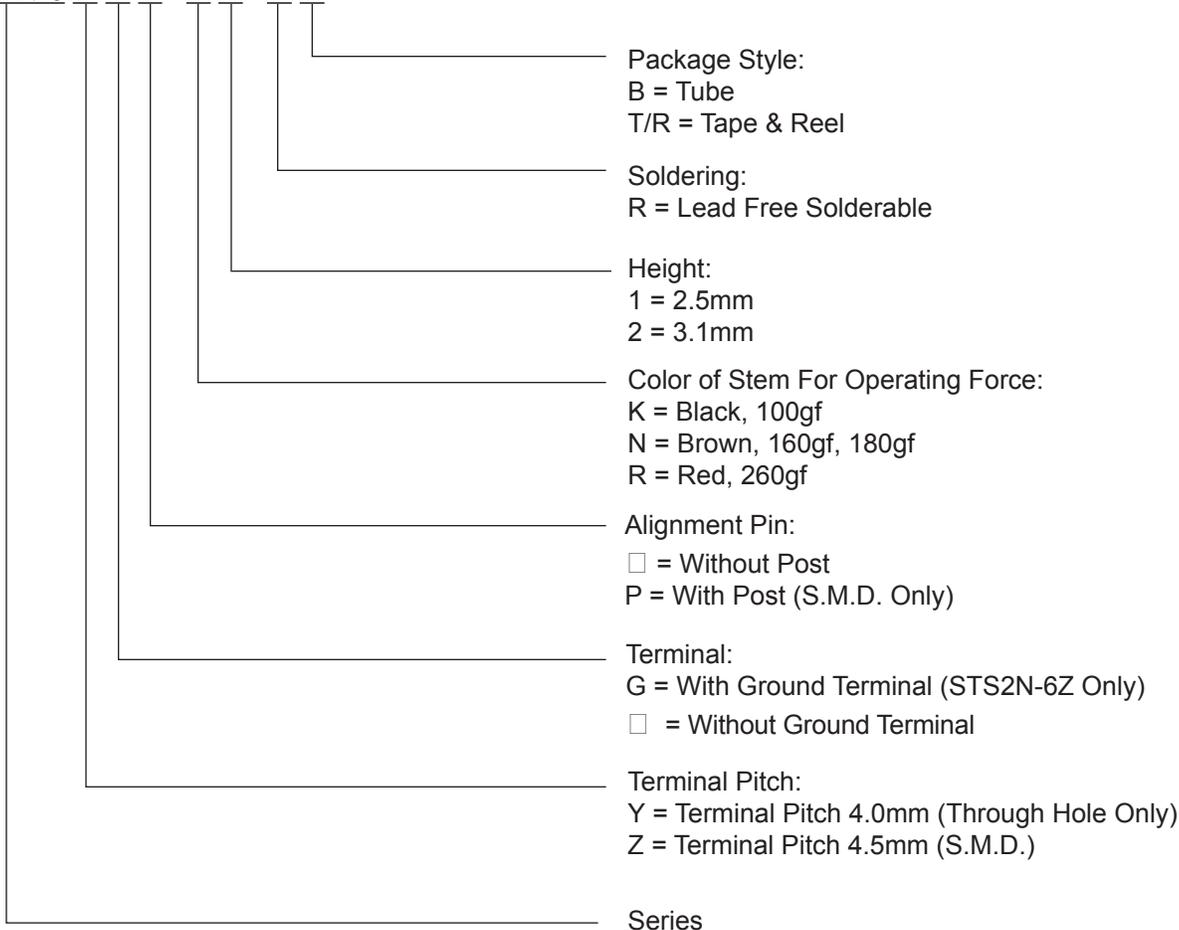


CIRCUIT

P.C.B. LAYOUT

HOW TO ORDER:

STS2N-6 □ □ □ - □ □ - □ □



Soldering Process

▲ Hand Soldering : Use a soldering iron of 30 watts, controlled at 350° approx. 5 seconds while applying solder

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

△ Reflow Temperature Profile:

