

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: Stainless Steel(STSL,F-6)
Nickel Silver(STSGL,F-6)
- Base: UL94V-0 Nylon High Temp. Thermoplastic.
Color: Black
- Stem: UL94V-0 Nylon Thermoplastic.
Color: Black(100gf), Brown(160gf),
Red(260gf), White(320gf),
Yellow(520gf).
Silicone rubber, Color: Brown(200gf)
- Contact Disc: Stainless Steel.
- Terminal: Brass with silver plated.

SPECIFICATION

MECHANICAL

- Operation Force:
 - 520 ± 130gf Yellow (Y)
 - 320 ± 80gf White (S)
 - 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.

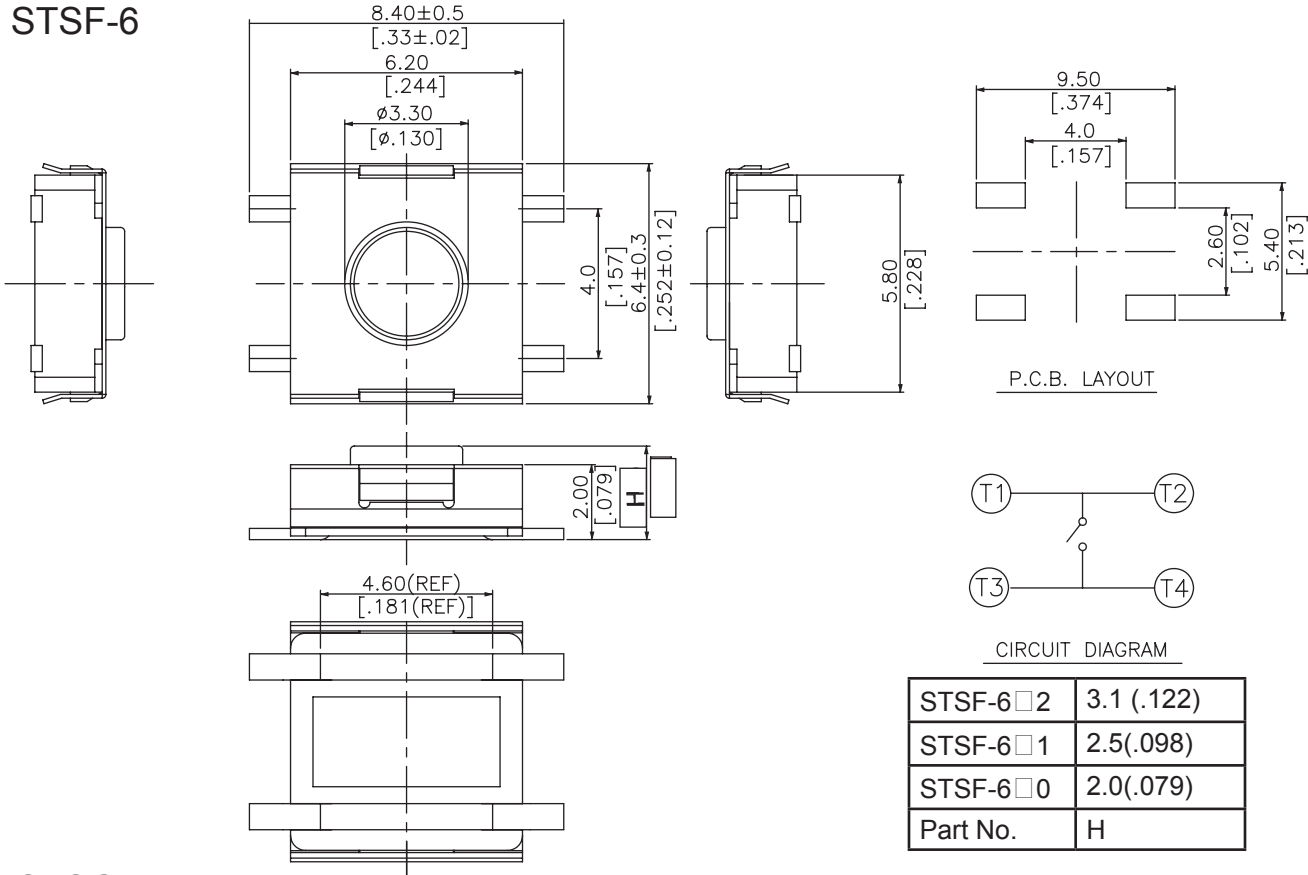
ELECTRICAL

- Electrical Life:
 - 300 000 cycles for 320gf, 520gf
 - 500 000 cycles for 260gf
 - 1 000 000 cycles for 100gf, 160gf, 180gf.
- Rating: 50mA, 12VDC.
- Contact Resistance: 100mΩ max.
- Insulation Resistance: 100MΩmin. at 500VDC.
- Dielectric Strength: 250VAC/1 minute.
- Contact Arrangement 1 pole 1 throw

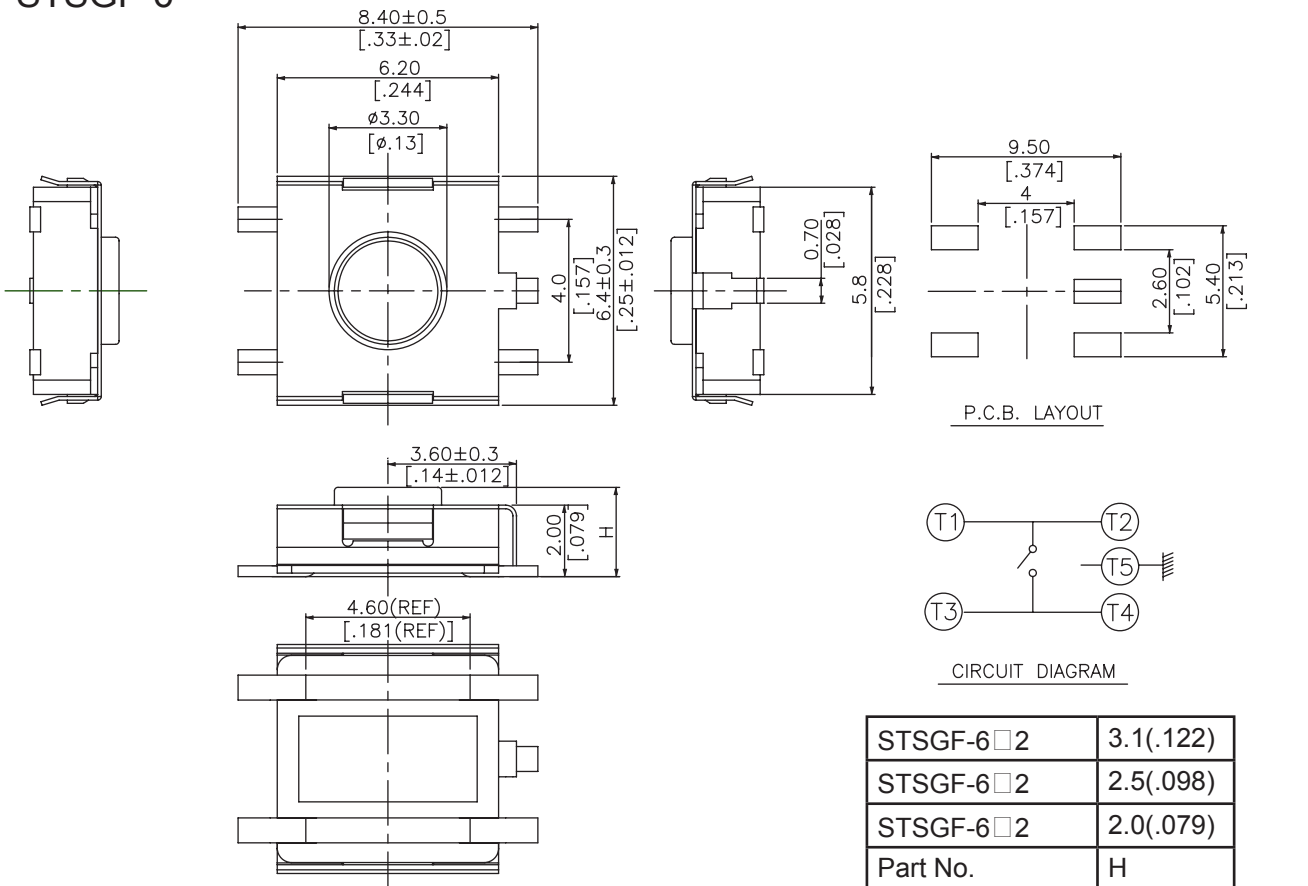
Packaging:

Part Number	Number per Tube	Number per Reel
STS(G)L-6□0	75	2700
STS(G)L-6□1	75	2700
STS(G)L-6□2	75	2500
STS(G)F-6□0	75	3000
STS(G)F-6□1	75	3000
STS(G)F-6□2	75	2500

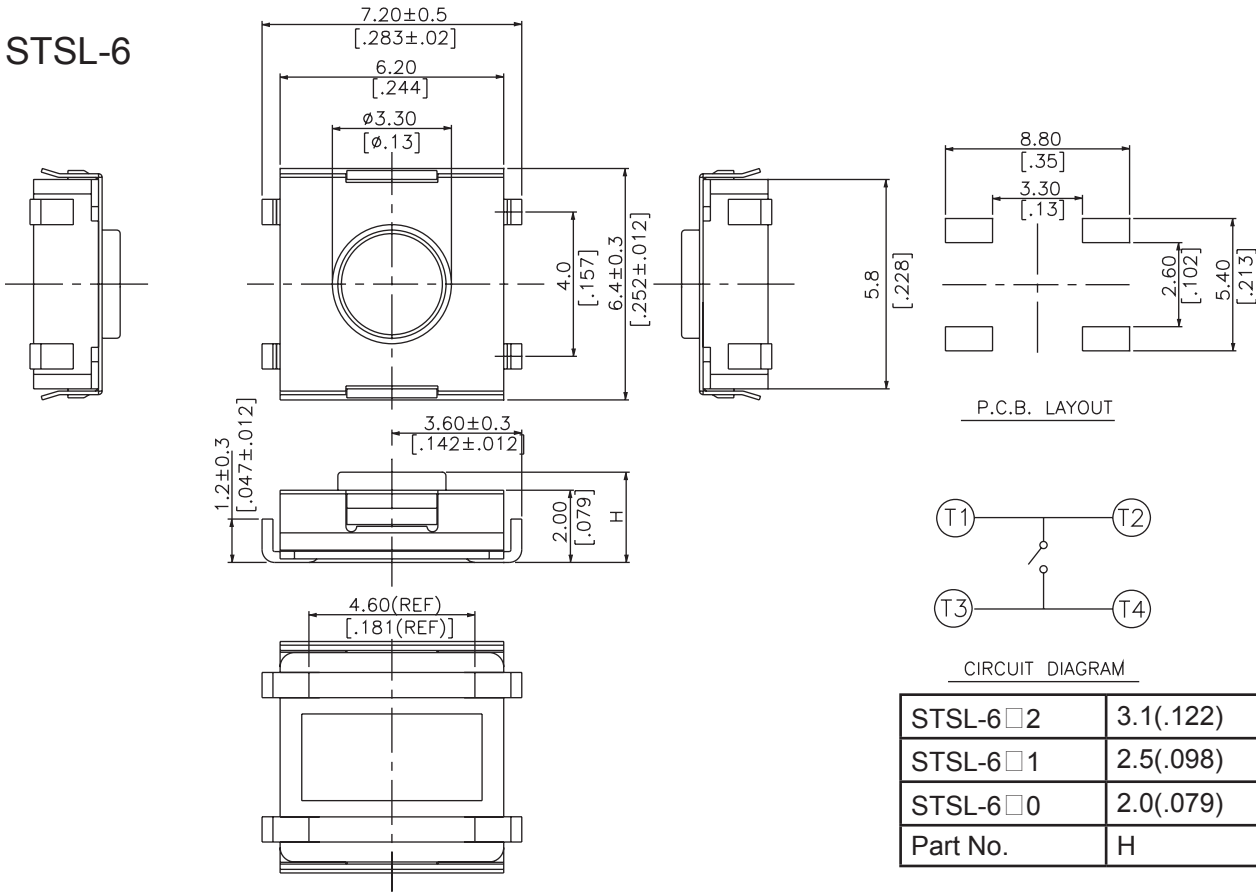
STSF-6



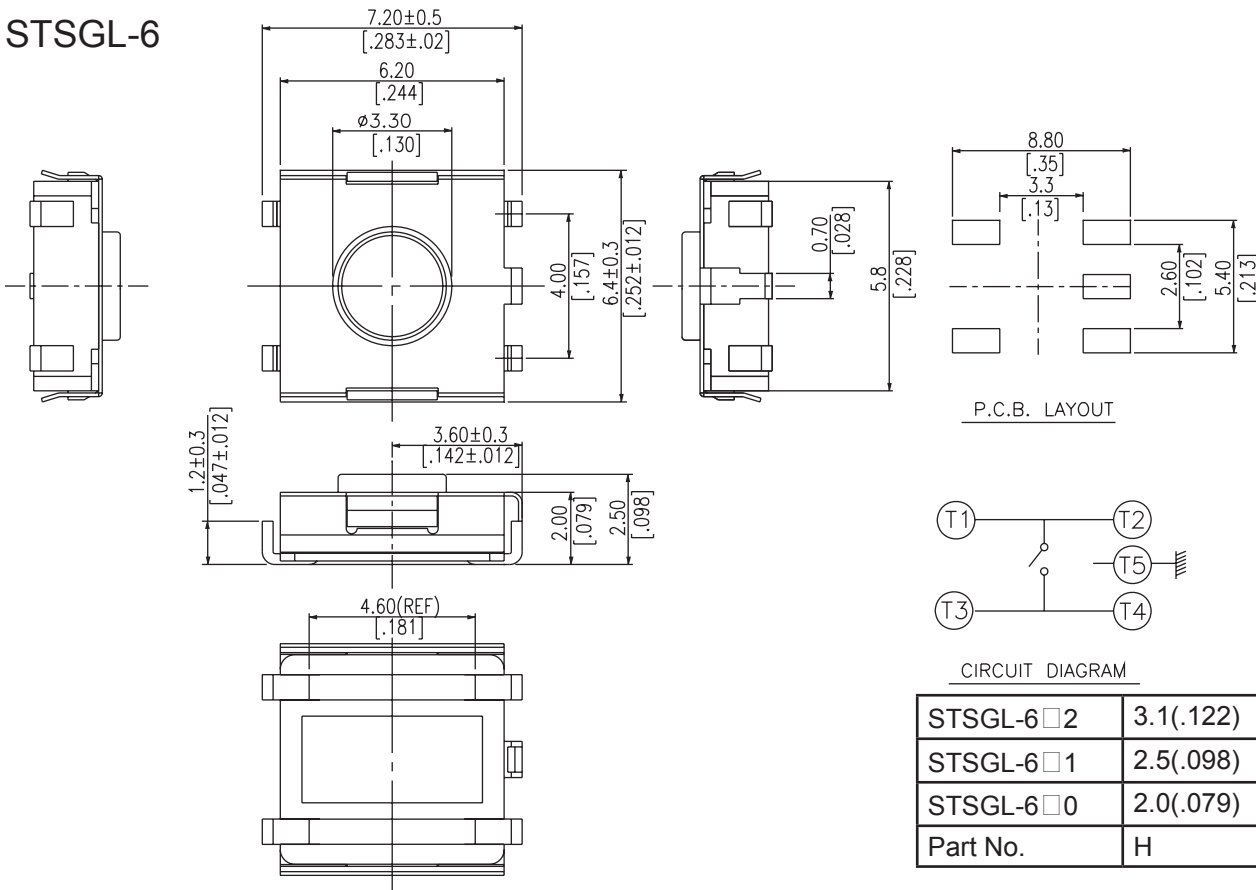
STSGF-6



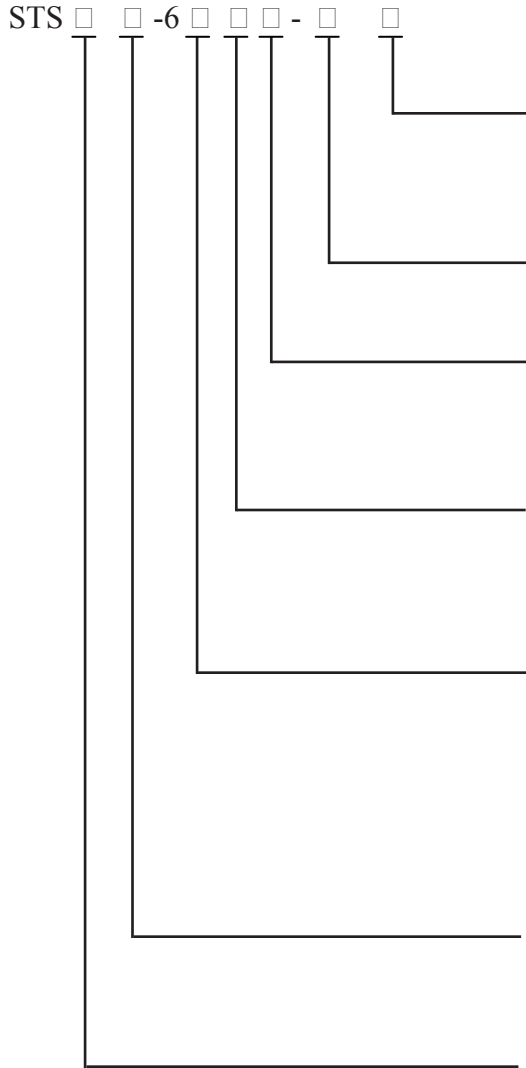
STSL-6



STSG L-6



HOW TO ORDER:



Package Style:

B = Tube
T/R = Tape & Reel

Soldering:

R = Lead Free Solderable

Stem Actuator:

□ = Soft (Only H: 3.1mm)
P = Hard (Only H:3.1mm)

Height:

0 = 2.0mm
1 = 2.5mm
2 = 3.1mm

Color of Stem For Operating Force:

K = Black, 100gf
N = Brown, 160gf, 180gf
R = Red, 260gf
S = White, 320gf
Y = Yellow, 520gf
N = Brown, 200g (Only Soft Actuator)

Terminal Type:

L = With L S.M.T Terminal
F = With F S.M.T Terminal

Product Series:

G = With Ground Terminal
□ = Without Ground Terminal

Soldering Process

▲ Hand Soldering : Use a soldering iron of 30 watts, controlled at 350° approximatly max 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. Condition for soldering (Reflow & Non-washable type)

Temperature Profile:

