

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.
- Base: UL94V-0 Nylon High - Temp. Thermoplastic.
- Stem: UL94V-0 Nylon High - Temp. Thermoplastic.
Color: Brown(160gf), Red(260gf),
Salmon(320gf), Yellow(520gf).
- Contact Disc: Stainless with silver cladding.
- Terminal: Brass with silver plated.

SPECIFICATION

MECHANICAL

- Operation Force:
 - 520 ± 130gf Yellow (Y)
 - 320 ± 80gf Salmon (S)
 - 260 ± 50gf Red (R)
 - 160 ± 50gf Brown (N)
 - 125 ± 35gf 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

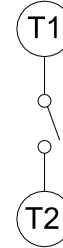
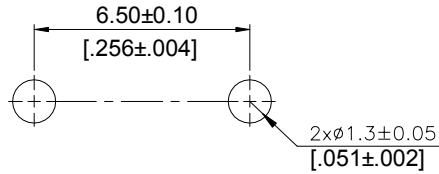
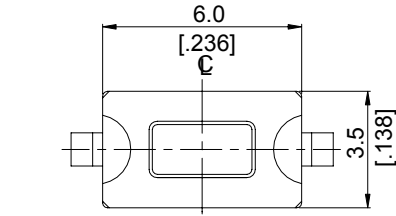
- Electrical Life: 50 000 cycles for 125gf, 160gf
30 000 cycles for 260gf, 320gf, 520gf
- Rating: 50mA, 12VDC.
- Contact Resistance: 100mΩ max.
- Insulation Resistance: 100MΩmin. at 500VDC.
- Dielectric Strength: 250VAC/1 minute.
- Contact Arrangement 1 pole 1 throw

Packaging:

Part Number	Number Per Tube	Number Per Reel
STS3560	135	-
STS3560-J1□ STS3560-M(L)1□	135	1800
STS3560-J2□ STS3560-M(L)2□	135	1600
STS3560-MF1□		1800
STS3560-MF2□		1600

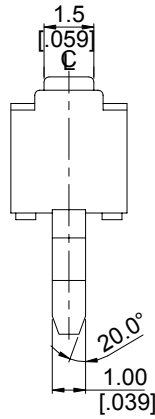
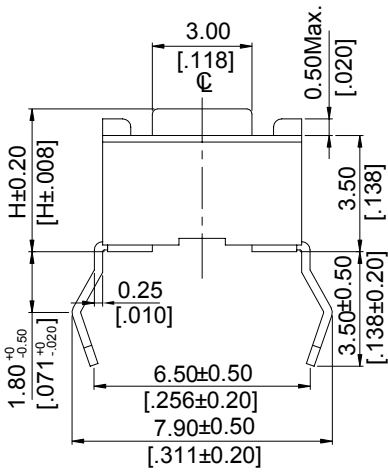
RoHS Compliant
Pb Free
Halogen Free

STS3560



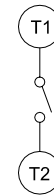
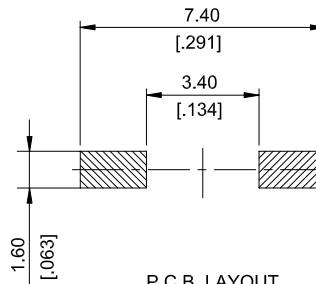
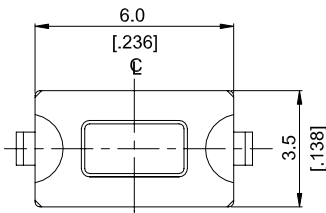
P.C.B. LAYOUT

CIRCUIT DIAGRAM



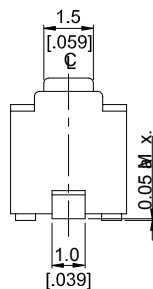
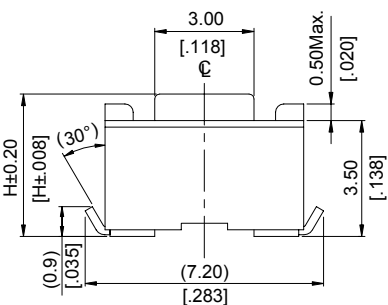
STS3560-2 □-R	5.0 [0.197]	Y	Yellow 520gf
		S	Salmon 320gf
		R	Red 260gf
		N	Brown 160gf
		K	Black 125gf
STS3560-1 □-R	4.3 [0.169]	Y	Yellow 520gf
		S	Salmon 320gf
		R	Red 260gf
		N	Brown 160gf
		K	Black 125gf
Prod. No.	H	Color for Operating Force	

STS3560-J



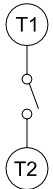
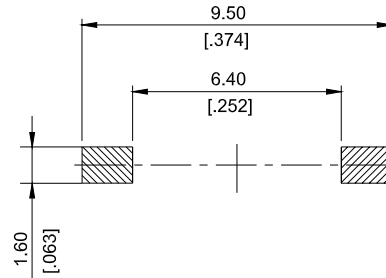
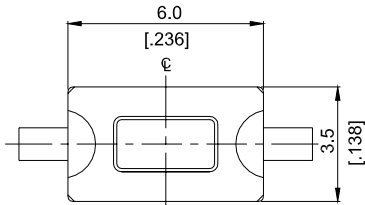
P.C.B. LAYOUT

CIRCUIT DIAGRAM



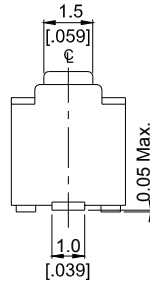
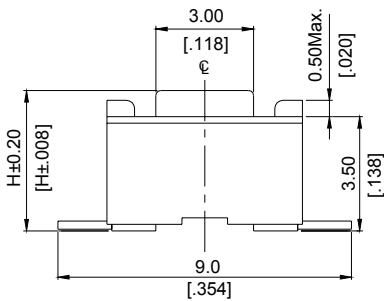
STS3560-J2 □-R	5.0 [0.197]	Y	Yellow 520gf
		S	Salmon 320gf
		R	Red 260gf
		N	Brown 160gf
		K	Black 125gf
STS3560-J1 □-R	4.3 [0.169]	Y	Yellow 520gf
		S	Salmon 320gf
		R	Red 260gf
		N	Brown 160gf
		K	Black 125gf
Prod. No.	H	Color for Operating Force	

STS3560-ML



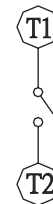
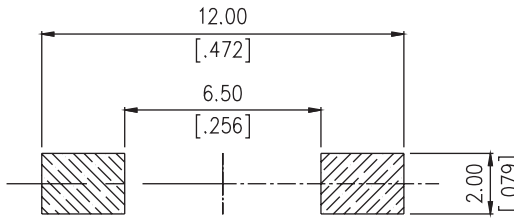
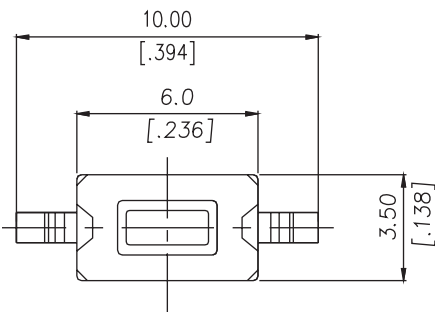
CIRCUIT DIAGRAM

P.C.B. LAYOUT



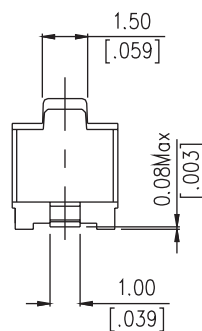
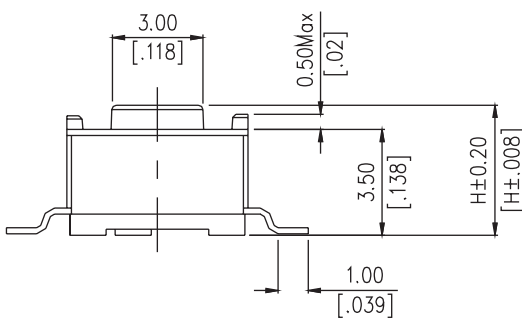
STS3560-ML2 □-R	5.0 [197]	Y	Yellow 520gf
		S	Salmon 320gf
		R	Red 260gf
		N	Brown 160gf
STS3560-ML1 □-R	4.3 [169]	Y	Yellow 520gf
		S	Salmon 320gf
		R	Red 260gf
		N	Brown 160gf
Prod No.	H	Color For Operation Force	

STS3560-MF



CIRCUIT DIAGRAM

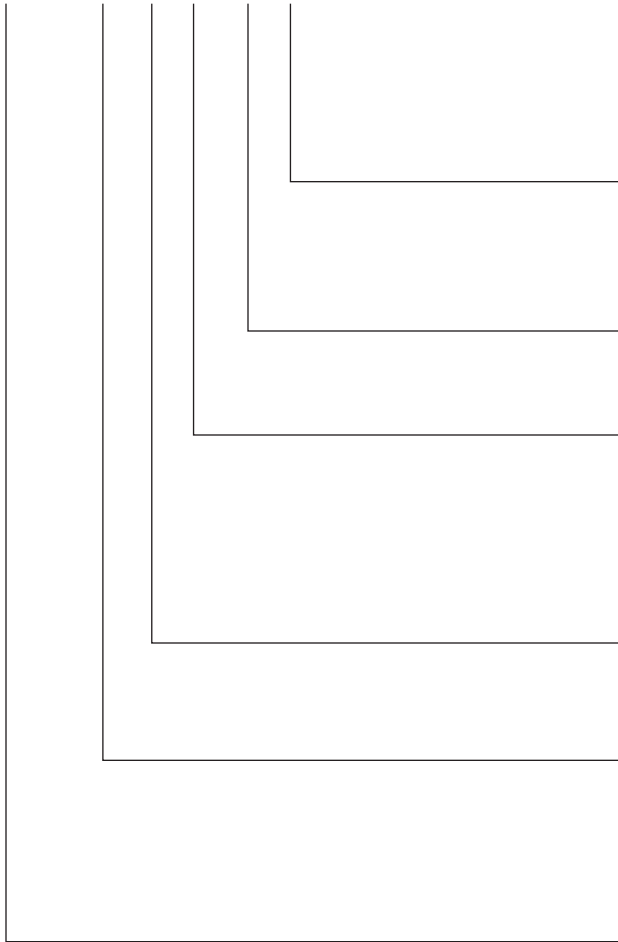
P.C.B. LAYOUT



STS3560-MF2 □-R	5.0 [197]	Y	Yellow 520gf
		S	Salmon 320gf
		R	Red 260gf
		N	Brown 160gf
STS3560-MF1 □-R	4.3 [169]	Y	Yellow 520gf
		S	Salmon 320gf
		R	Red 260gf
		N	Brown 160gf
Prod No.	H	Color For Operation Force	

HOW TO ORDER:

STS3560 - □ □ □ - □ □



Package Style:
B = Tube
T/R = Tape & Reel

Soldering:
R = RoSH and Lead Free Solderable
Q = RoSH, Lead Free Solderable and Halogen Free

Color of Stem For Operating Force:

K = Black, 125gf
N = Brown, 160gf
R = Red, 260gf
S = Salmon, 320gf
Y = Yellow, 520gf

Height:
1 = 4.3mm
2 = 5.0mm

J = J Bend Terminal
□ = Through Hole Type
ML = Flat Terminal
MF = Gull Wing Terminal

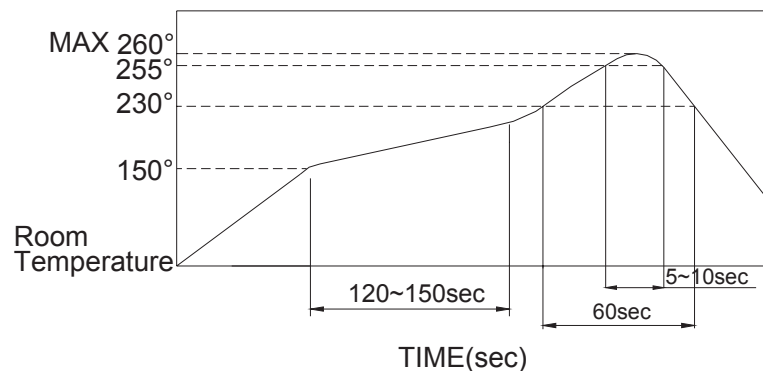
Tactile Switch 3.5x6mm

Soldering Process

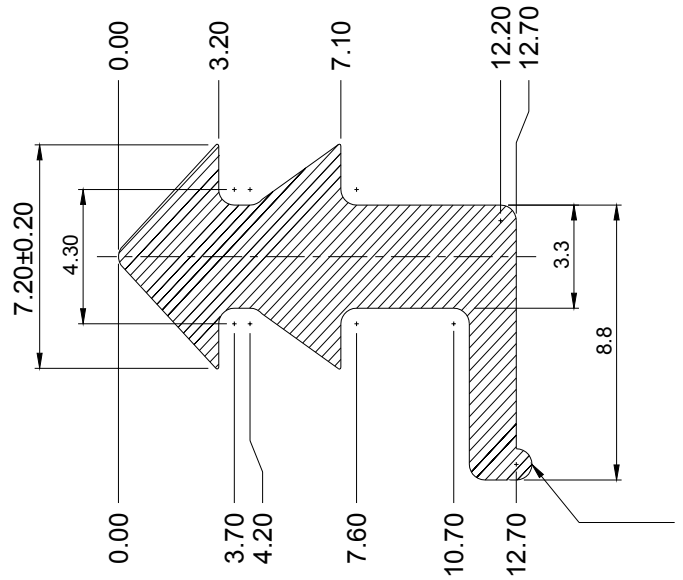
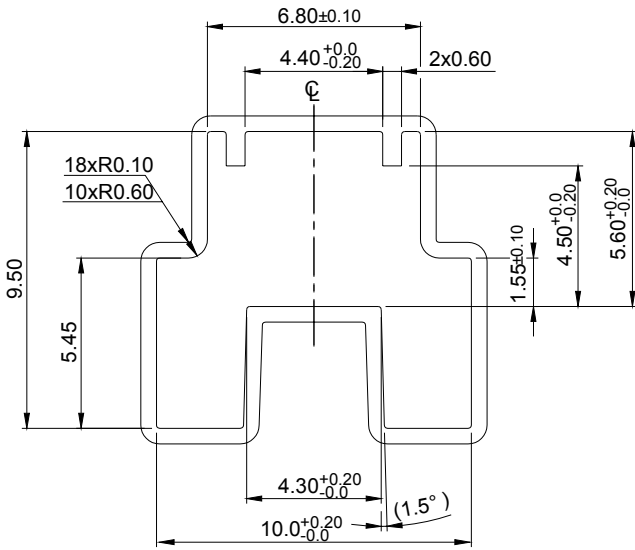
▲ Hand Soldering : Use a soldering iron of 30 watts, controlled at 350°C approximately 5 seconds while applying solder.

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

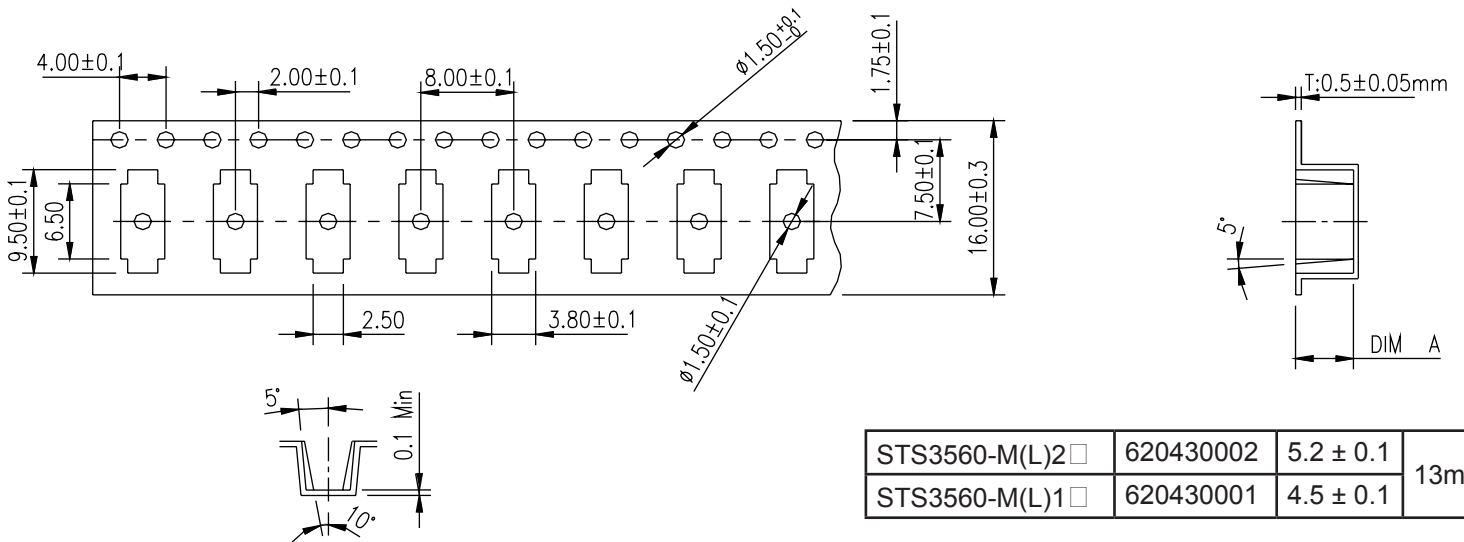
▲ Wave Soldering : Recommended solder temperature 260°C max 5 seconds for through hole type.
Subject to P.C.B 1.6mm thickness



Tube



Reel



STS3560-M(L)2□	620430002	5.2 ± 0.1	13mm
STS3560-M(L)1□	620430001	4.5 ± 0.1	