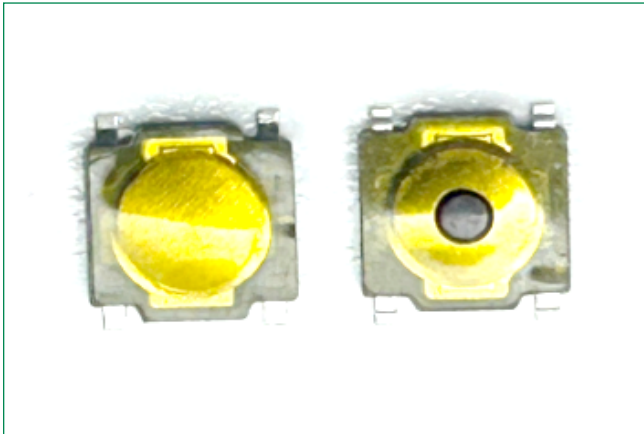


TS-1198 or TS-1198A(4.5*4.5 Series) Ultra Low Profile SMT Top Actuated



Description

Innovative designers of Bluetooth headsets, MP3 accessories and remote controls turn to the **TS-1198** series of ultra low profile SMT top actuated tactile switches because of its small footprint and reputation for lasting a high number of cycles. **TS-1198** switches have a 4.5 x 4.5mm footprint and a thickness of 0.55mm.

Features & Benefits

- 4.5 x 4.5 mm footprint
- 0.55 mm thickness
- High number of cycles
- Symbol line identification

Applications

- MP3 accessories
- Bluetooth headset
- Remote controls
- Garage door opener

Specifications

Function	Momentary action
Contact Arrangement	1 make contact = SPST NO
Terminals	Gullwing for SMT
Travel	0.2mm - 0.1 /+ 0.15mm
	Switches in reels of 10,000 pieces Dimensions of reels according to EIA 481B. External diameter 330 mm.

Electrical Characteristics

Max. Voltage	12 VDC
Max. Current DC	50 mA
Dielectric Strength	250 vA C (1mn)
Contact Resistance	≤ 100 mΩ
Insulation Resistance	≥ 100 MΩ
Bounce Time	≤ 10 ms

Environmental Characteristics

Operating Temperature	-40°C to 85°C
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Process

Soldering

This component is suited to the following methods:

Infrared Reflow Soldering in accordance with IEC61760-1

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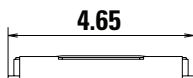
Mechanical Characteristics

Item Description	Operation Force (gf)	Operating Life (operations)
TS-1198-100H055	100 ± 30	200,000
TS-1198-160H055	160 ± 30	200,000
TS-1198-200H055	200 ± 30	200,000
TS-1198-260H055	260 ± 30	100,000

Notes:

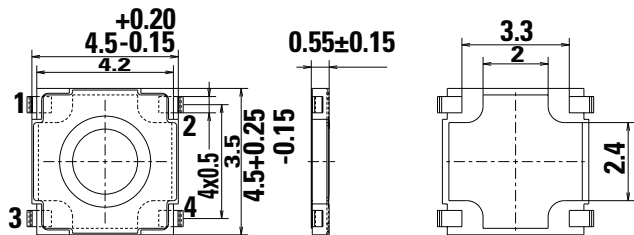
Specifications listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center. The PTS series is not certified for using in Automotive application and no PPAP. However, in the case of some automotive accessories and specific applications for 2 and 3 wheeled vehicles the PTS is widely used and very suitable. Please contact your local representative to discuss your application and the best switch solution.

Termination G Gullwing



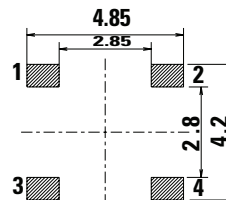
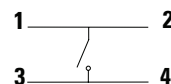
Body Type & Actuation Force

055 0.55 mm height

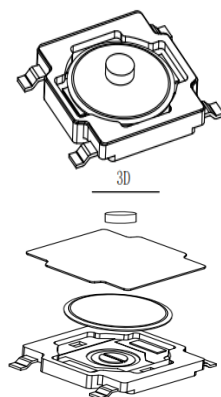
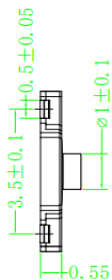
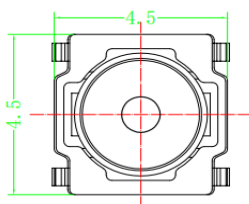
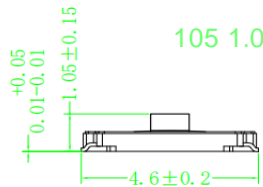


Actuation Force Identification Lines Schematic

Alternative PCB Layout



105 1.05 mm height



Recommended PCB Layout

