# PTS641 Series SMT Top Actuated Switches



## Features/Benefits

- 6.3 x 6.3 mm footprint
- Multiple heights
- Ground pin option

# **Typical Applications**

- Metering
- White goods
- Home and garden
  equipment

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# Specification

FUNCTION: Momentary action CONTACT ARRANGEMENT: 1 make contact = SPST N.O. TERMINALS: G type for SMT

#### Mechanical

TRAVEL:

0.20 mm ±0.15 mm for 160 &250 gf 0.30 mm ±0.15 mm for 320 gf OPERATING LIFE: 100,000 cycles OPERATION FORCE: 160 gf ±50 gf blue actuator 250 gf ±50 gf red actuator

320 gf ±80 gf black actuator

#### Packaging

Switches in reels of 1,500 pieces. Dimensions of reels according to EIA 481B External diameter 330 mm

#### Electrical

MAXIMUM VOLTAGE: 12 VDC MAXIMUM CURRENT DC: 50 mA DIELECTRIC STRENGTH: 250 VA C (1mn) CONTACT RESISTANCE: 100 m  $\Omega$ INSULATION RESISTANCE:  $\geq$  100 M  $\Omega$ BOUNCE TIME: < 5 ms

#### **Environmental**

OPERATING TEMPERATURE: -20°C to 85°C

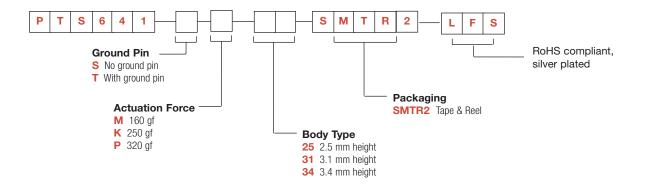
#### Process

SOLDERING: This component is suited to the following methods: Infrared Reflow Soldering in accordance with IEC61760-1

**NOTE:** Specifications listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.

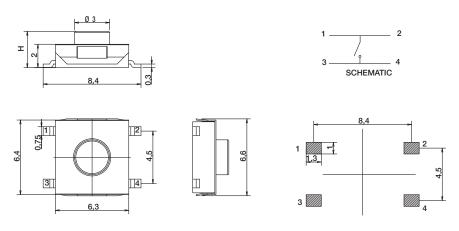
## How To Order

Our easy build-a-switch concept allows you to mix and match options to create the switch you need. To order, select desired option from each category and and place it in the appropriate box.





# **NO GROUND PIN** H = 2.5, 3.1, or 3.4 mm



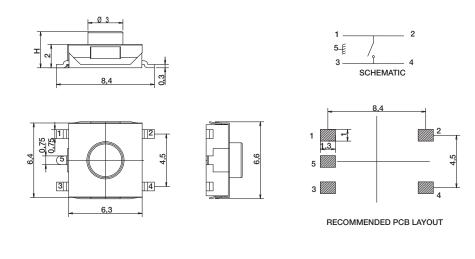
RECOMMENDED PCB LAYOUT

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**Tactile Switches** 

**GROUND PIN** H = 2.5, 3.1, or 3.4 mm





Dimensions are shown: mm Specifications and dimensions subject to change