

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

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: 200,000 cycles for 160 gf version
 100,000 cycles for 250 gf & 320 gf versions
 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 Ω
 INSULATION RESISTANCE: ≥ 100 M Ω
 BOUNCE TIME: < 5 ms

Environmental

OPERATING TEMPERATURE: -20°C to 85°C

Process

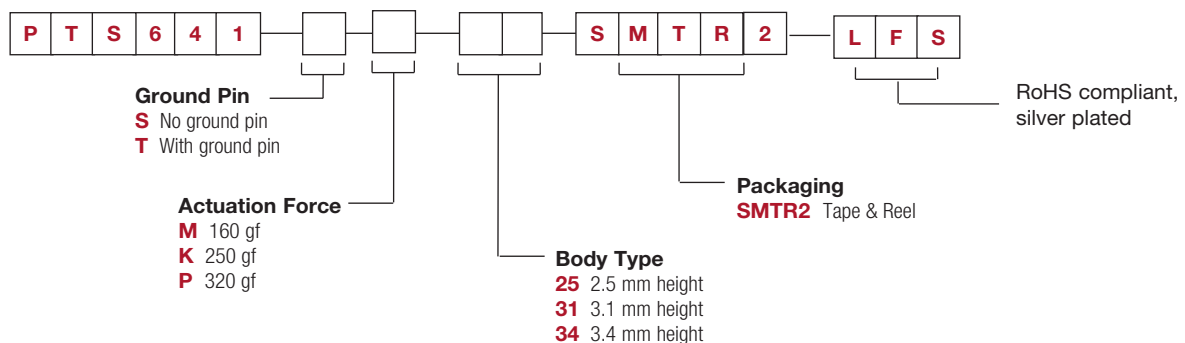
SOLDERING: This component is suited to the following methods:
 Infrared Reflow Soldering in accordance with IEC61760-1

NOTE:

- Specifications listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.
- 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 C&K representative to discuss your application and the best switch solution.

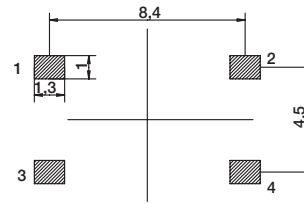
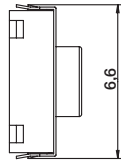
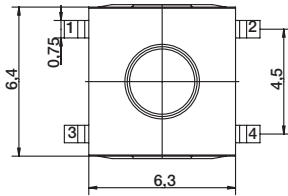
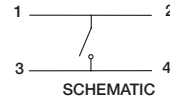
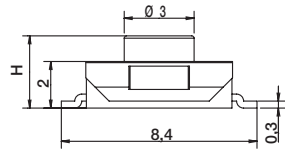
How To Order

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 place it in the appropriate box.



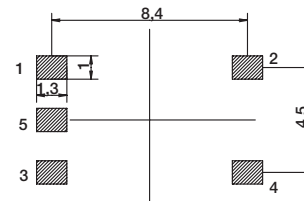
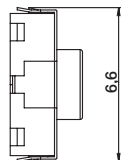
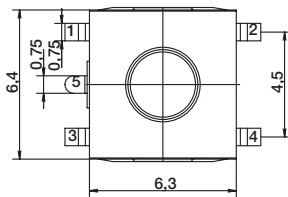
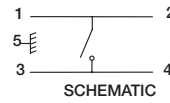
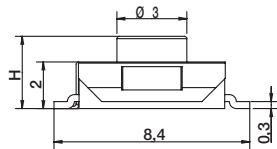
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NO GROUND PIN H = 2.5, 3.1, or 3.4 mm



RECOMMENDED PCB LAYOUT

GROUND PIN H = 2.5, 3.1, or 3.4 mm



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