



**THE DATASHEET OF
PTS641SM31SMTR2LFS**



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

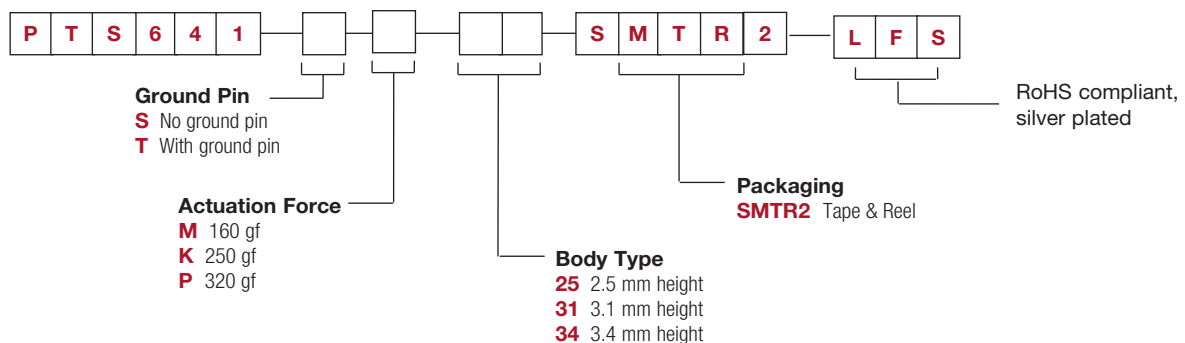
SOLDERING: This component is suited to the following methods:
 Infrared Reflow Soldering in accordance with IEC61760-1

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.

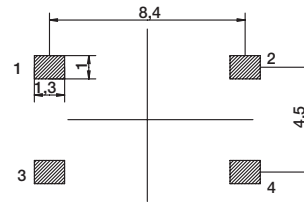
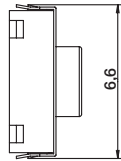
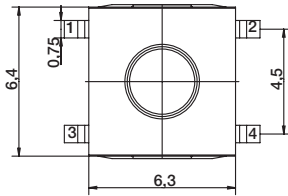
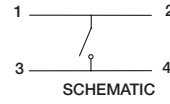
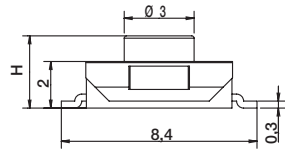
How To Order

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.



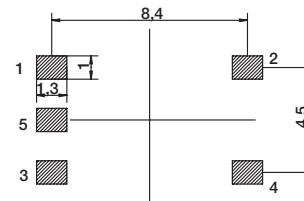
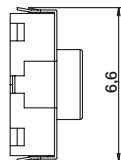
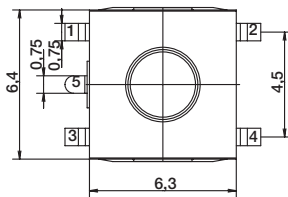
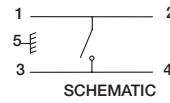
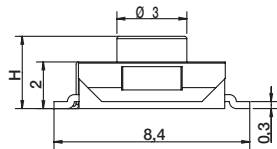
PTS641 Series SMT Top Actuated Switches

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



RECOMMENDED PCB LAYOUT

Looking for pricing, stock, or lifecycle information?

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- ✓ Excess Inventory Management