

PTS125 Series

12 mm Tactile Switches



Description

The PTS125 series 12mm tactile switches are most often seen used in industrial, consumer products, instrumentation and computing equipment. Available in various heights with a snap-fit actuator option and THT and SMT terminations, PTS125 tactile switch is long-lasting and highly responsive.

Features & Benefits

- THT and SMT terminations
- Snap fit actuator option
- Various heights

Applications

- Consumer products
- Instrumentation
- Computer products
- Industrial

Specifications

Function	Momentary action
Contact Arrangement	1 make contact, SPST, N.O.
Terminals	PC pins for THT and G type for SMT
Travel	130 gf 0.20 mm, 180 gf 0.25 mm 250 gf 0.30 mm, 350 gf 0.35 mm
Packaging	Dimensions of reels according to EIA 481B. External diameter 330 mm.

Mechanical Specifications

Operating Force	130 gf, 180 gf, 250 gf, 350 gf
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Electrical Specifications

Max. Voltage	12 VDC
Max. Current	50 mA
Dielectric Strength	250 V AC (1 mn)
Contact Resistance	< 100 mΩ
Insulation Resistance	> 100MΩ
Bounce Time	< 5 ms

Electrical Specifications

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 IEC 61760-1 for SMT version Wave soldering compatible with lead free soldering profile
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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 C&K representative to discuss your application and the best switch solution.

Packaging

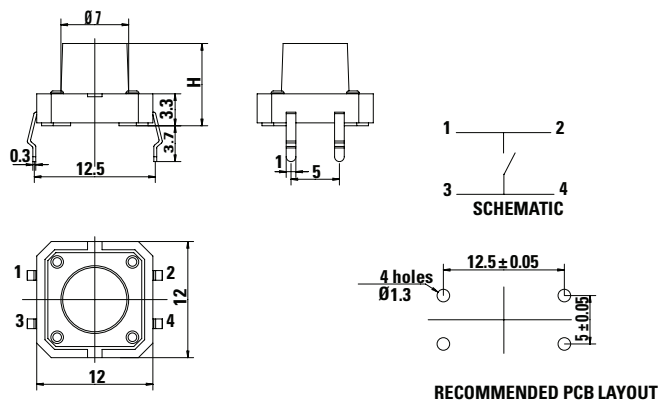
Soldering Style	Height	Packaging	Parts per Packaging
THT	All heights	Plastic bag	500
SMT	4.3 mm	Tape & reel	900
SMT	4.3 mm with pegs	Tape & reel	600
SMT	7.3 mm	Tape & reel	500
SMT	7.3 mm with pegs	Tape & reel	500
SMT	8.5 mm	Tape & reel	500
SMT	8.5 mm with pegs	Tape & reel	400
SMT	12 mm	Tape & reel	250

PTS125 Series

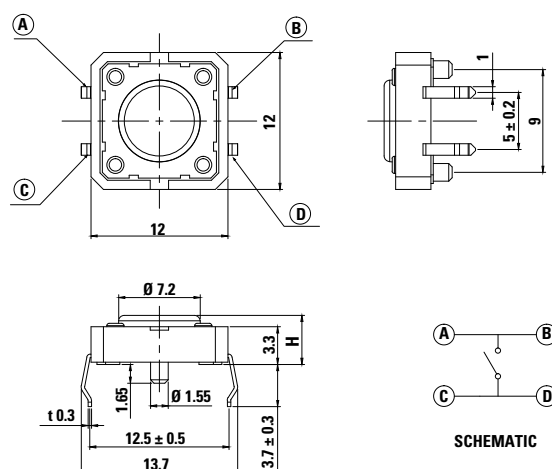
12 mm Tactile Switches



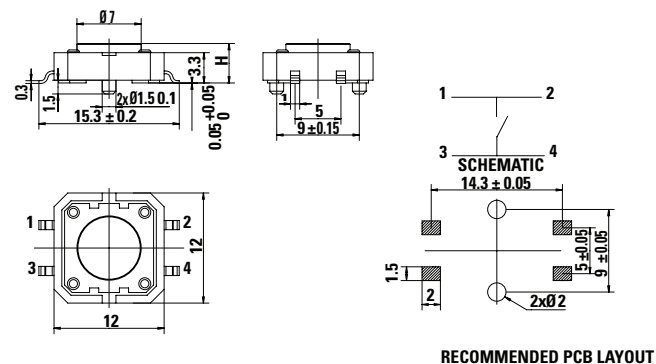
THT Version without Pegs with Round Actuator
H = 4.3, 7.3, 8.5 mm (other height upon request)



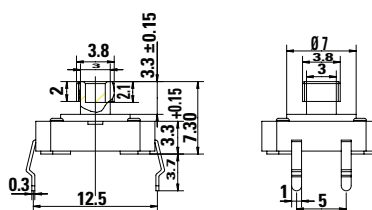
THT Version with Pegs with Round Actuator
H = 4.3, 7.3, 8.5 mm (other height upon request)



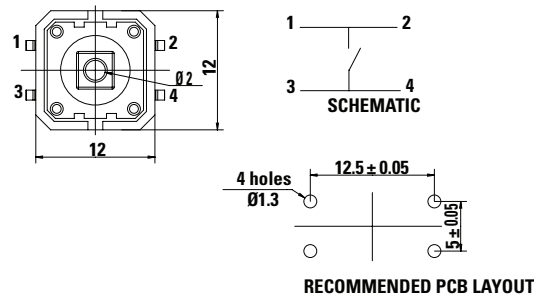
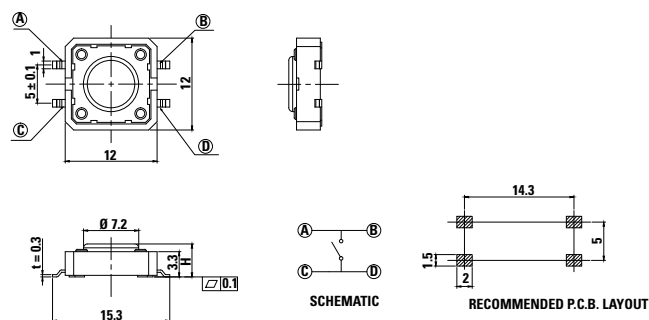
SMT Version with Pegs with Round Actuator and Pegs
H = 4.3, 7.3, 8.5 mm (other height upon request)



THT Version without Pegs with Square Snap Fit
Actuator H = 7.3 mm



SMT Version without Pegs with Round Actuator and Pegs
H = 4.3, 7.3 & 8.5 mm (other height upon request)

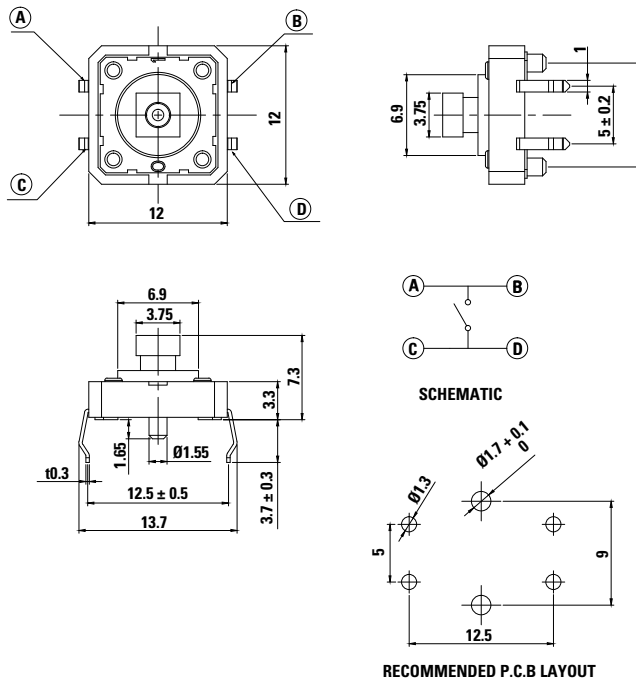


PTS125 Series

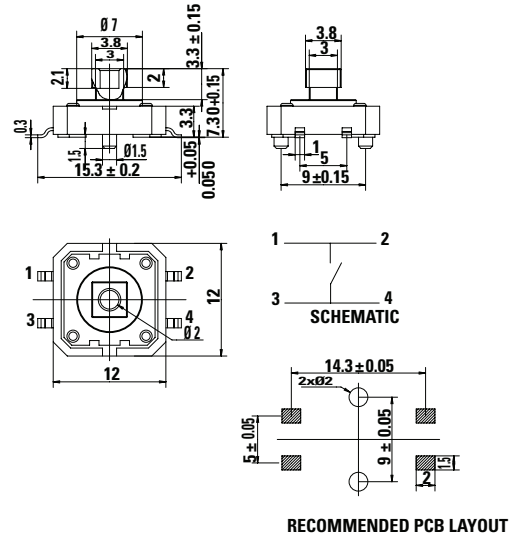
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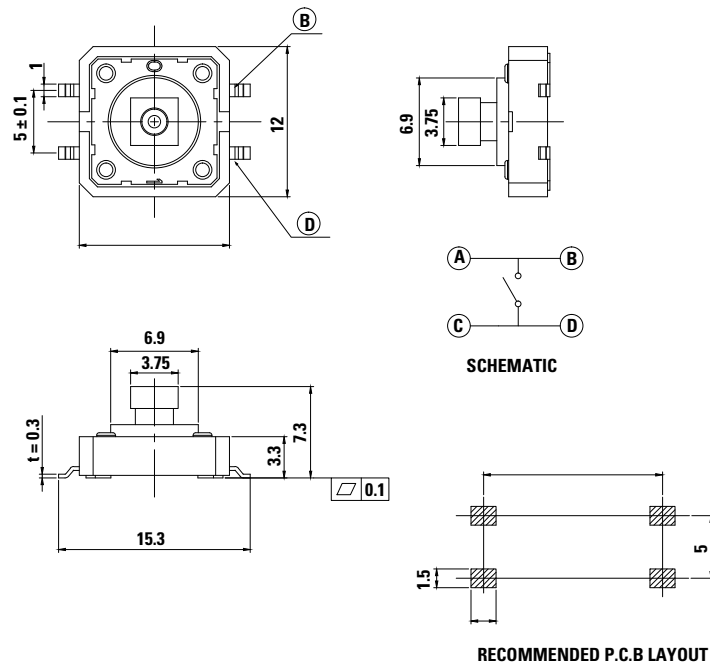
THT Version without Pegs with Square Snap Fit Actuator H = 7.3 mm



SMT Version with Pegs with Square Snap Fit Actuator and Pegs H = 7.3 mm



SMT Version without Pegs with Square Snap Fit Actuator and Pegs H = 7.3 mm

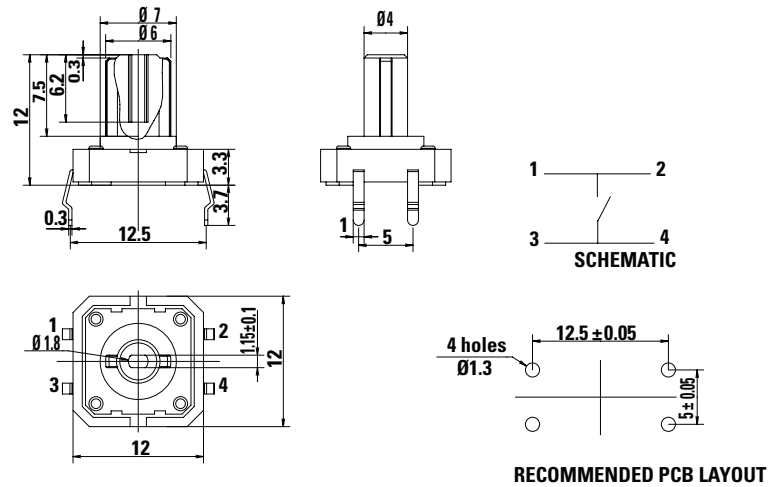


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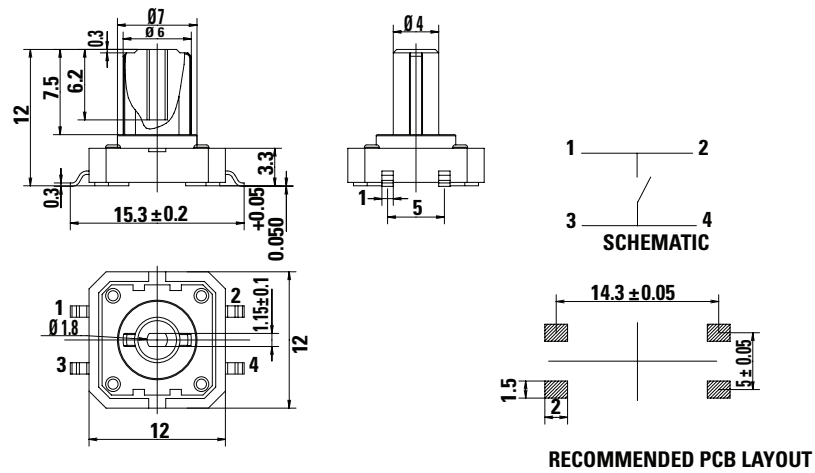
12 mm Tactile Switches



THT Version with Round Ribbed Actuator H = 12.0 mm



SMT Version with Round Ribbed Actuator H = 12.0 mm



PTS125 Series

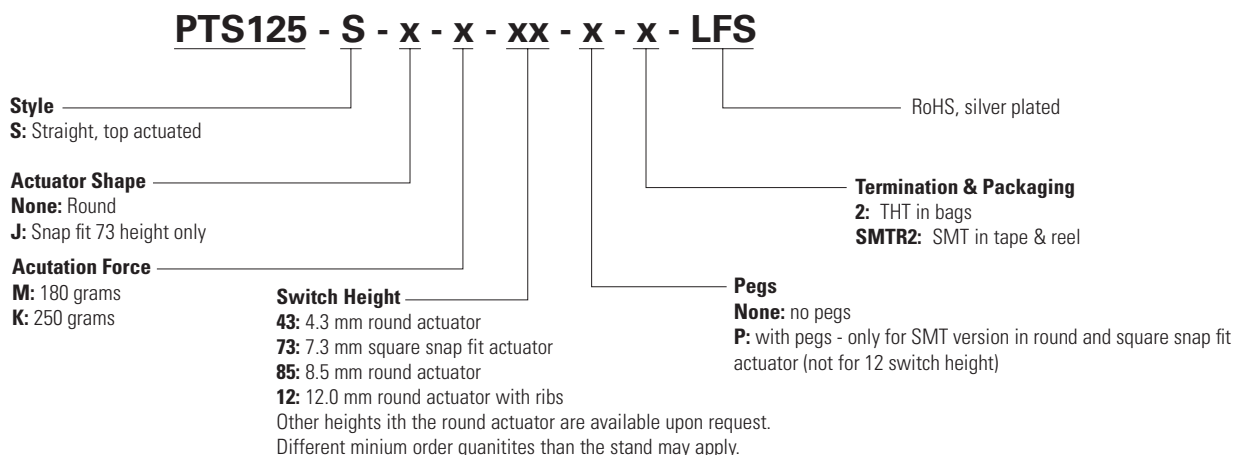
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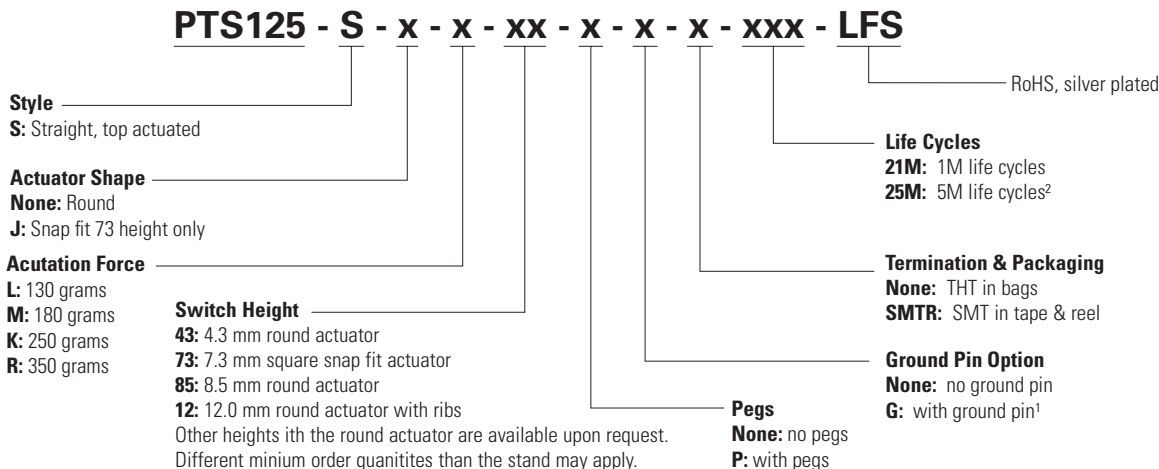
Ordering Number

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.

Standard Version: 200,000 Life



Long Life Version: 1000K to 5000K Life



Notes:

1. Ground pin version design is available for SMT only
2. 5M life only for 130 gf version

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