

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 |
|------------------------|--------------------------------|

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 |
|------------------------------|---------------|

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 |
|------------------|--|

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

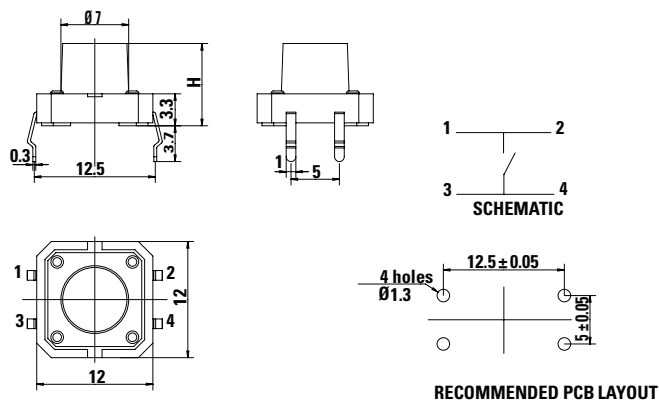
| Soldering Style | Height | Packaging | Parts per Packaging |
|-----------------|------------------|-------------|---------------------|
| THT | All heights | Plastic bag | 500 |
| SMT | 4.3 mm | Tape & reel | 900 |
| SMT | 4.3 mm with pegs | Tape & reel | 600 |
| SMT | 7.3 mm | Tape & reel | 500 |
| 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 |

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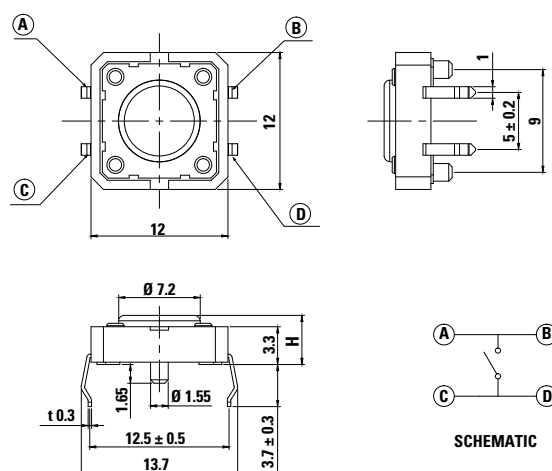
12 mm Tactile Switches



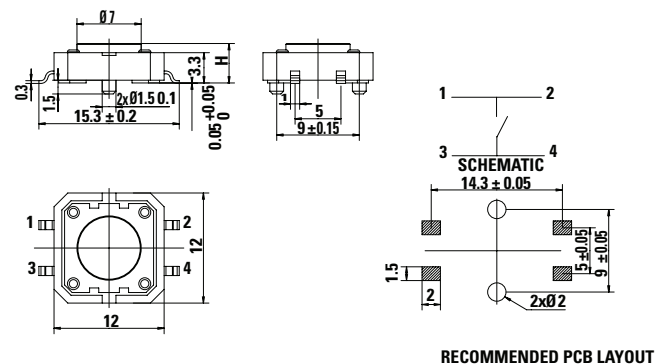
THT Version without Pegs with Round Actuator
H = 4.3, 7.3, 8.5 mm (other height upon request)



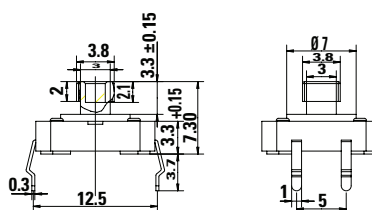
THT Version with Pegs with Round Actuator
H = 4.3, 7.3, 8.5 mm (other height upon request)



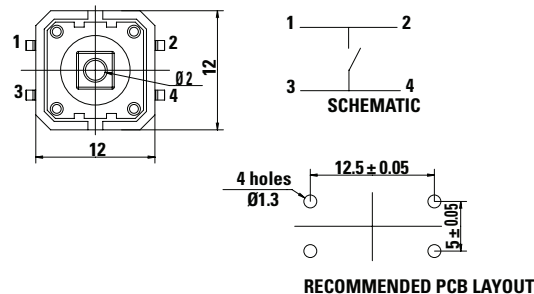
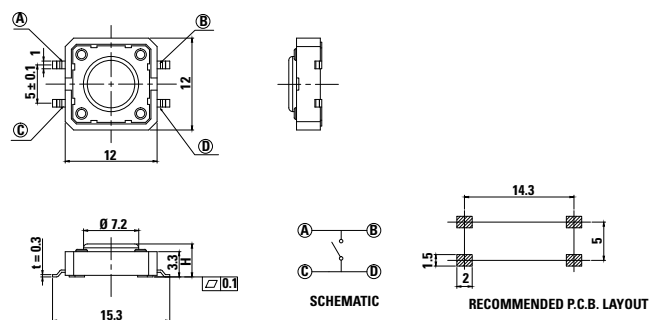
SMT Version with Pegs with Round Actuator and Pegs
H = 4.3, 7.3, 8.5 mm (other height upon request)



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)

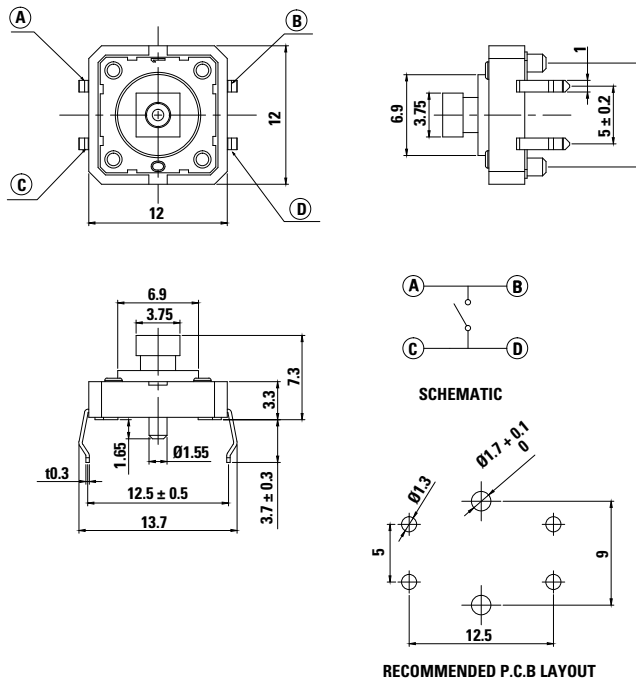


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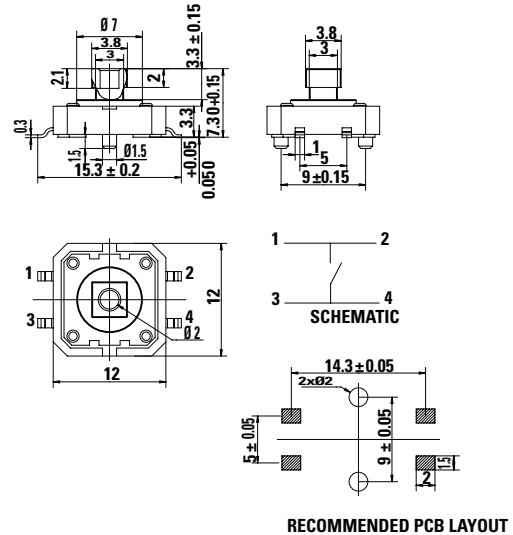
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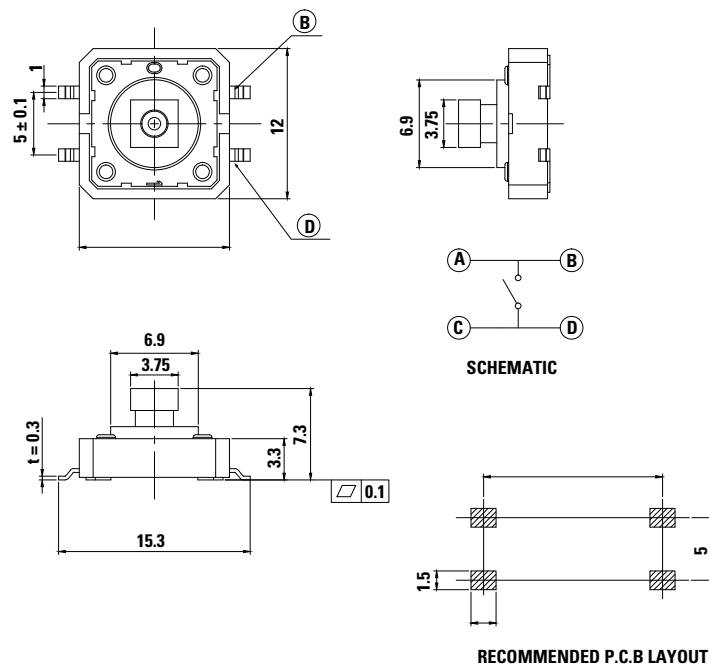
THT Version without Pegs with Square Snap Fit Actuator H = 7.3 mm



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

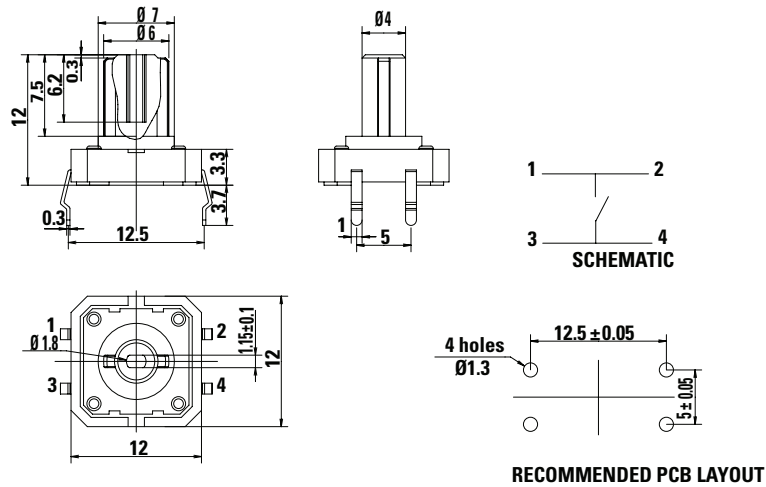


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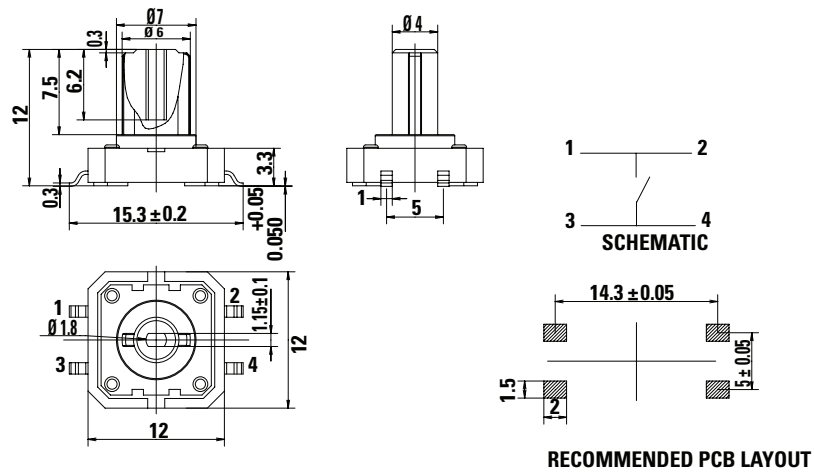
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THT Version with Round Ribbed Actuator H = 12.0 mm



SMT Version with Round Ribbed Actuator H = 12.0 mm



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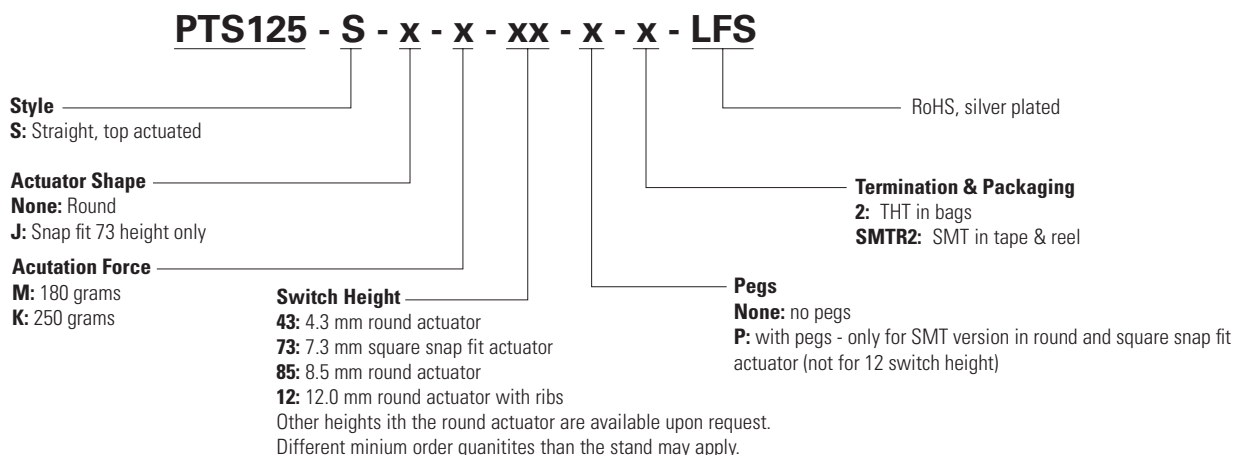
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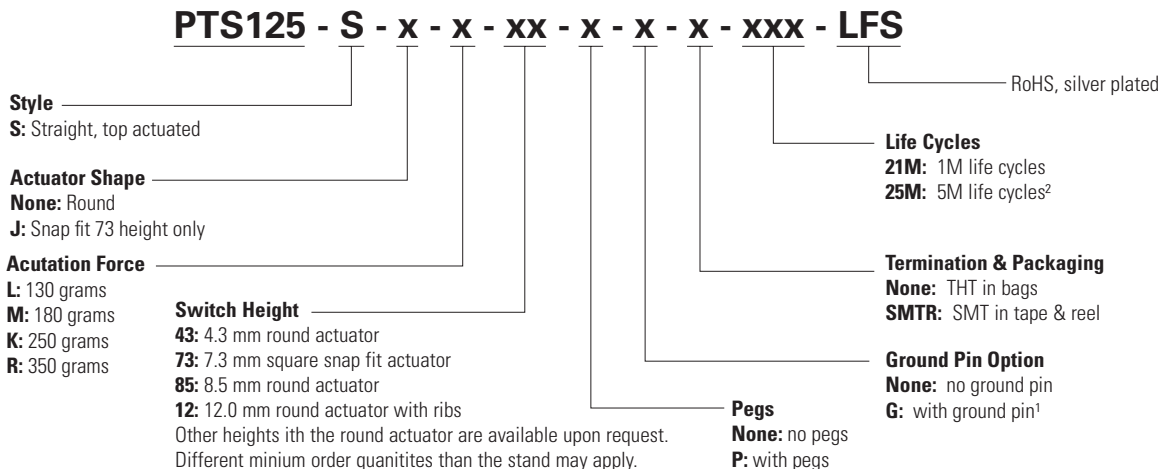
Ordering Number

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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