NEW

PTS125 Series
12 mm Tact Switches





Features/Benefits

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

Typical Applications

- *Consumer products*
- *Instrumentation*
- *Computer products*
- *Industrial*

Specification

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

Mechanical

OPERATING FORCE: 130 gf, 180 gf, 250 gf, 350 gf

Electrical

MAX VOLTAGE: 12 VDC
MAX CURRENT: 50 mA
DIELECTRIC STRENGTH: 250 V AC (1mn)
CONTACT RESISTANCE: <100 mΩ
INSULATION RESISTANCE: >100MΩ
BOUNCE TIME: < 5 ms

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.

Environmental

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

Packaging

Dimensions of reels according to EIA 481B. External diameter 330 mm.

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

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.

STANDARD VERSION: 200K LIFE

P	T	S	1	2	5	S							2	L	F	S

Style
S Straight, top actuated

Actuator Shape
NONE Round
J Snap fit 73 height only

Actuator Force
M 180 grams
K 250 grams

Pegs Option
NONE no pegs
P with pegs - only for SMT version in round and square snap fit actuator (not for 12 switch height)

Switch Height
43 4.3 mm round actuator
73 7.3 mm sqaure snap fit actuator
85 8.5 mm round actuator
12 12.0 mm round actuator with ribs

Other heights with the round actuator are available upon request. Different minimum order quantities than the stand may apply.

Termination & Packaging
NONE THT in bags
SMTR SMT in tape & reel

RoHS, silver plated

LONG LIFE VERSION: 1000K TO 5000K LIFE

P T S 1 2 5 S [ ] [ ] [ ] [ ] [ ] [ ] [ ] 2 [ ] [ ] L F S

Style
S Straight, top actuated

Actuator Shape
NONE Round
J Snap fit 73 height only

Actuator Force
L 130 grams
M 180 grams
K 250 grams
R 350 grams

Switch Height
43 4.3 mm round actuator
73 7.3 mm sqaure snap fit actuator
85 8.5 mm round actuator
12 12.0 mm round actuator with ribs

Other heights with the round actuator are available upon request.
Different minimum order quantities than the stand may apply.

Pegs Option
NONE no pegs
P with pegs

Ground Pin Option
NONE no ground pin
G with ground pin *

* Ground pin version design is available for SMT only

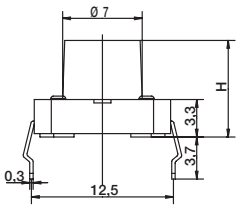
Termination & Packaging
NONE THT in bags
SMTR SMT in tape & reel

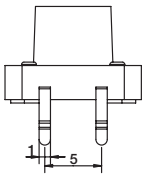
Life Cycles
1M 1M life cycles
5M 5M life cycles *

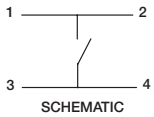
* 5M life only for 130 gf version

RoHS, silver plated

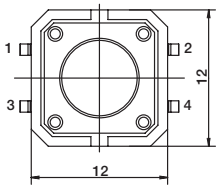
THT VERSION WITHOUT PEGS WITH ROUND ACTUATOR
H= 4.3, 7.3 & 8.5 MM (other height upon request)

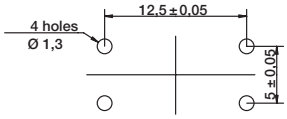






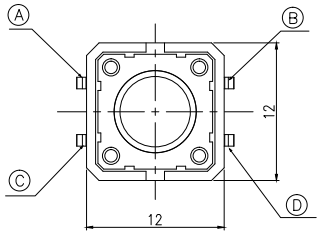
SCHEMATIC

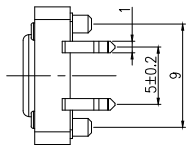


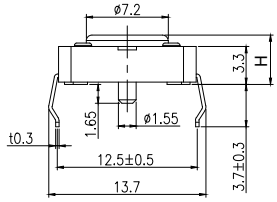


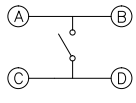
RECOMMENDED PCB LAYOUT

THT VERSION WITH PEGS WITH ROUND ACTUATOR
H= 4.3, 7.3 & 8.5 MM (other height upon request)

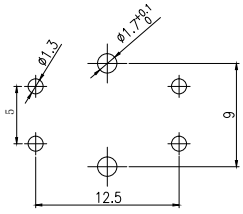








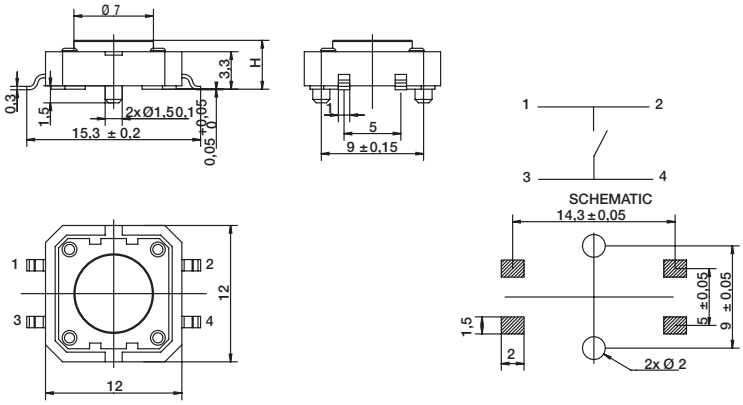
SCHEMATIC



Recommended P.C.B layout

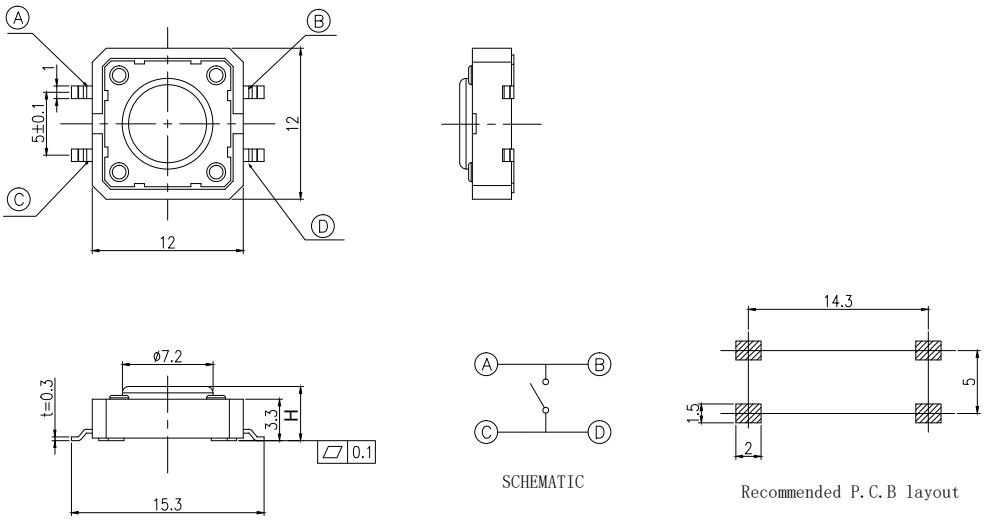
NEW

SMT VERSION WITH PEGS WITH ROUND ACTUATOR AND PEGS H= 4.3, 7.3 & 8.5 MM (other height upon request)



RECOMMENDED PCB LAYOUT

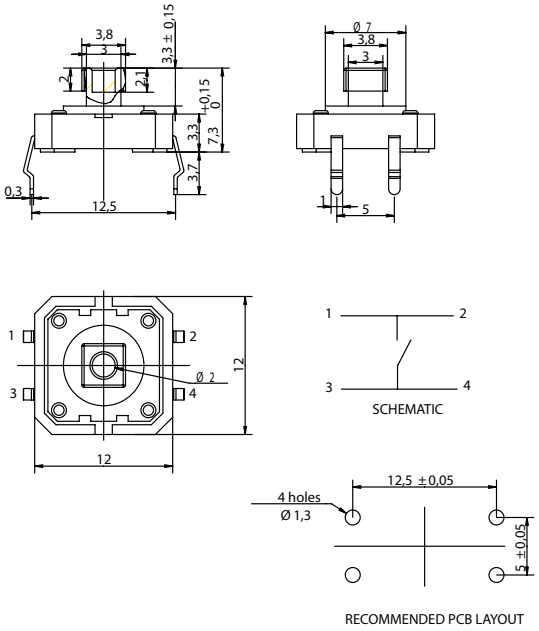
SMT VERSION WITHOUT PEGS WITH ROUND ACTUATOR AND PEGS H= 4.3, 7.3 & 8.5 MM (other height upon request)



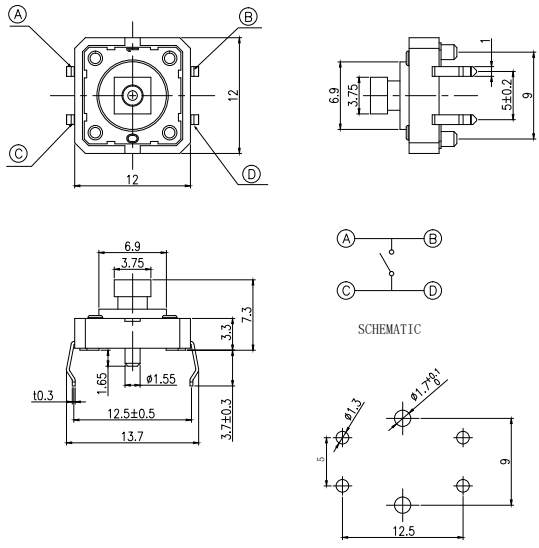
First Angle Projection

Dimensions are shown: mm
Specifications and dimensions subject to change

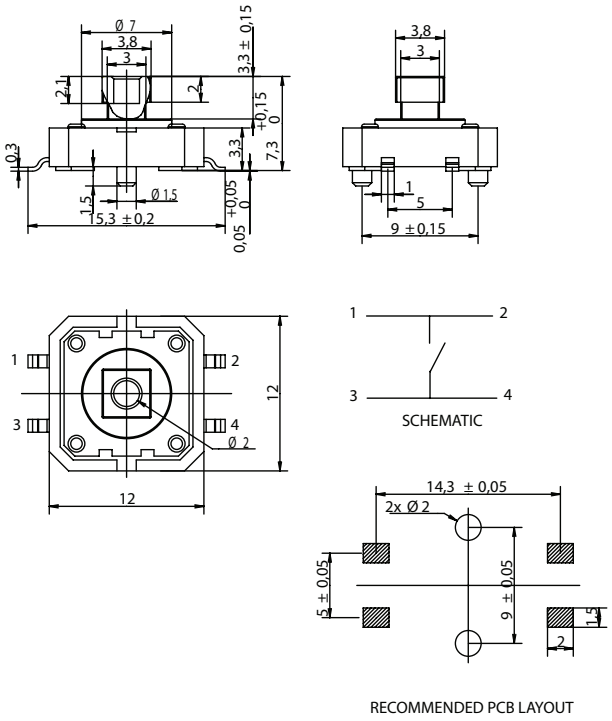
THT VERSION WITHOUT PEGS WITH SQUARE SNAP FIT ACTUATOR
H= 7.3 MM



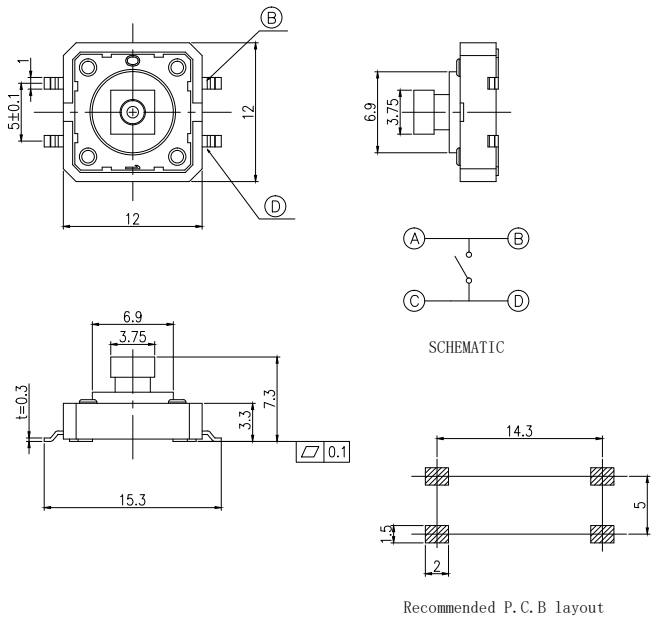
THT VERSION WITHOUT PEGS WITH SQUARE SNAP FIT ACTUATOR
H= 7.3 MM



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

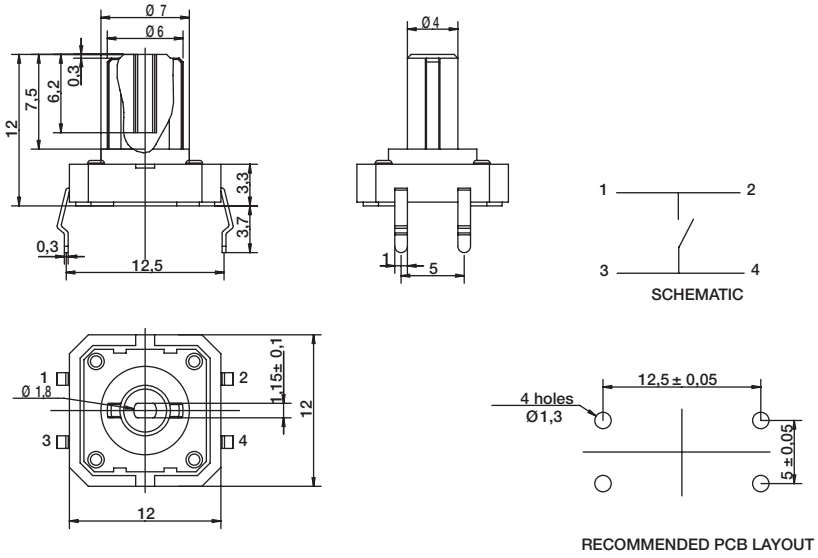


First Angle Projection

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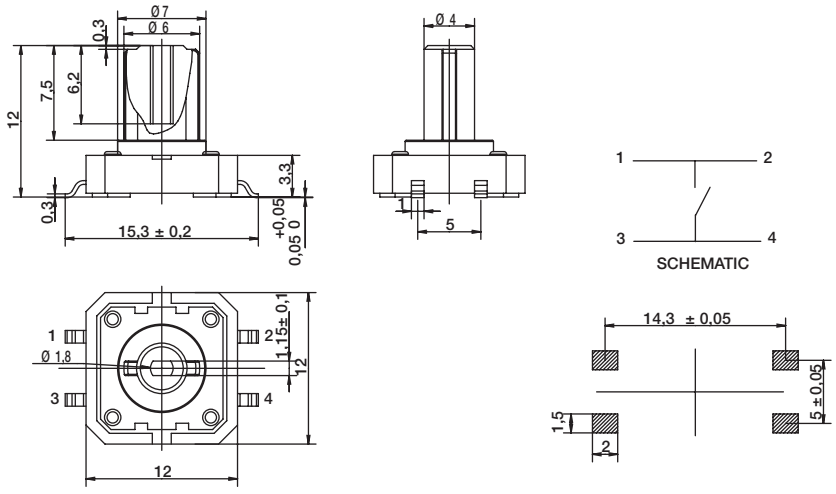
NEW

THT VERSION WITH ROUND RIBBED ACTUATOR H= 12.0 MM



RECOMMENDED PCB LAYOUT

SMT VERSION WITH ROUND RIBBED ACTUATOR H= 12.0 MM



RECOMMENDED PCB LAYOUT

First Angle Projection

Dimensions are shown: mm
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