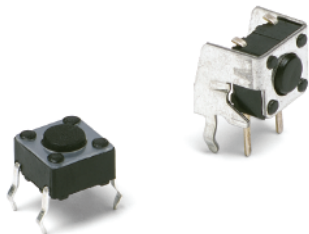


PTS645 Series

6 mm Tact Switches



Features/Benefits

- Compact size 6 x 6 mm
- Variety of actuator lengths
- Choice of actuation force
- RoHS compliant and compatible

Typical Applications

- Consumer products
- Instrumentation
- Computer products
- Industrial

B

Tactile Switches

Specification

FUNCTION: Momentary action
CONTACT ARRANGEMENT: SPST, N.O.
TERMINALS: PC pins

Mechanical

ACTUATION FORCE: 130 grams, 160 grams, 200 grams, 260 grams
LIFE EXPECTANCY: 100,000 operations.

Electrical

CONTACT RATING: 50 mA @ 12 V DC.
DIELECTRIC STRENGTH: 250 V AC min.
CONTACT RESISTANCE: 100 mΩ max. initial.
INSULATION RESISTANCE: 10¹¹ Ω min.

Environmental

OPERATING TEMPERATURE: -20°C to 60°C

Process

SOLDERING: Preheating to 100°C for 45 sec. max. Keep flux flush with top surface of PCB; do not apply to component side of PCB and area where terminals are located. Soldering to 255°C for 5 sec. max. Clean by brushing on solder surface. Do not clean switch with solvents.

Packaging

Bulk packaging.

Tape & reel for the SMT type:

Reels of 1,000 pieces for 4,3 and 5,0 mm height
Reels of 700 pieces for 7,0 mm height
Reels of 500 pieces for 9,5 mm height
Reels of 400 pieces for 13,0 mm height

NOTE: Specifications listed above are for switches with standard options.
For information on specific and custom switches, consult Customer Service Center.

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.

P	T	S	6	4	5							L	F	S
						Termination		Actuator Shape		Insertion Type		RoHS compliant and compatible. Silver plated.		
						S Straight T Straight with ESD pin V Vertical		NONE Round actuator, All versions J Square actuator, 2.4 mm side THT versions only (No ESD pin - not available with Termination "T" style)		2 Thru hole SMTR92* Surface mount, tape & reel				
						Actuation Force				Switch height from PCB for S and T only (H dimension see actuator height drawings)				
						L 130 grams M 160 grams H 200 grams K 260 grams				43 4,3 (.169), thru-hole and SMT 50 5,0 (.197), thru-hole and SMT 70 7,0 (.275), thru-hole and SMT 73 7,3 (.287), thru-hole, square actuator 2.4 mm side only 95 9,5 (.374), thru-hole and SMT 13 13,0 (.512) SMT only				
										Switch length from front leads for V only (H dimension see actuator height drawings)				
										31 3,15 (.124), vertical 39 3,85 (.151), vertical 58 5,85 (.230), vertical 61 6,15 (.242), vertical, square actuator 2.4 mm side only 83 8,35 (.329), vertical				

*Only the straight type termination without ESD pin is available in SMT type.



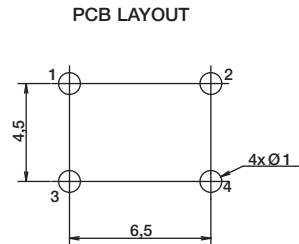
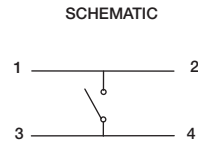
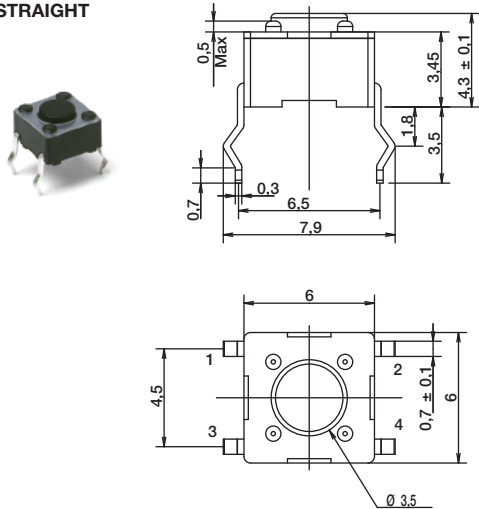
Dimensions are shown: mm
Specifications and dimensions subject to change

PTS645 Series

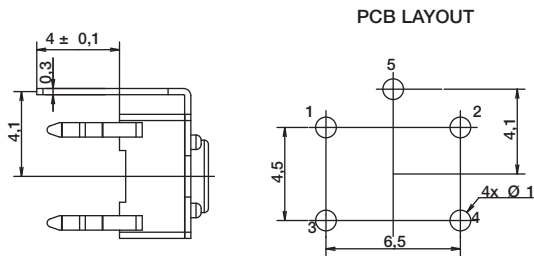
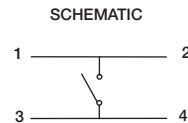
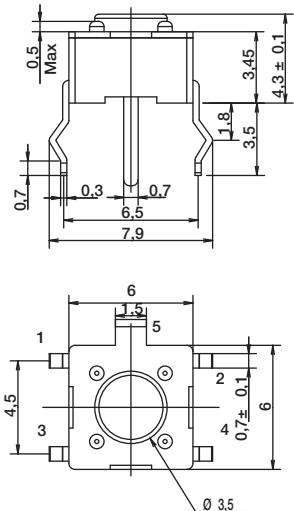
6 mm Tact Switches

TERMINATION

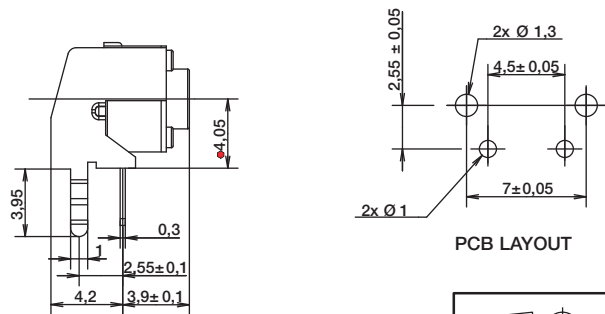
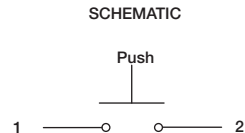
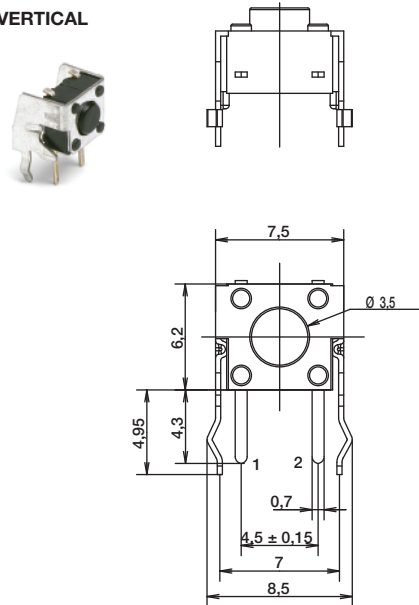
S STRAIGHT



T STRAIGHT WITH ESD PIN



V VERTICAL



First Angle Projection

Dimensions are shown: mm
Specifications and dimensions subject to change



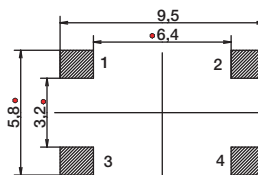
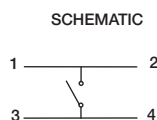
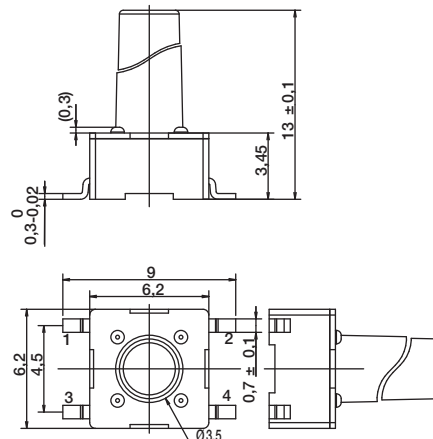
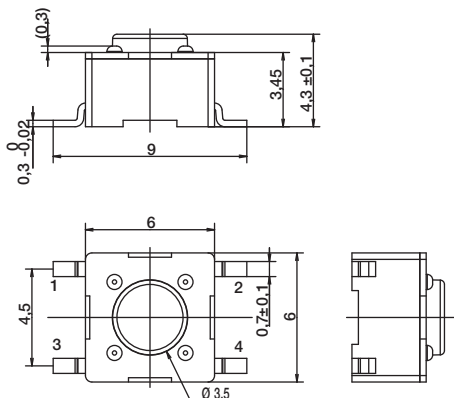
PTS645 Series 6 mm Tact Switches

TERMINATION

SMT

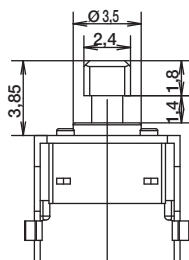
FOR 4.3, 5.0, 7.0, 9.5 MM HEIGHT

13.0 MM HEIGHT ONLY

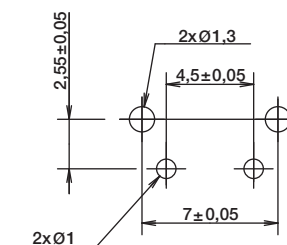
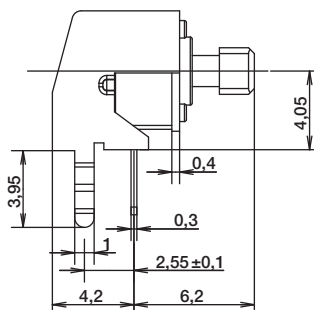
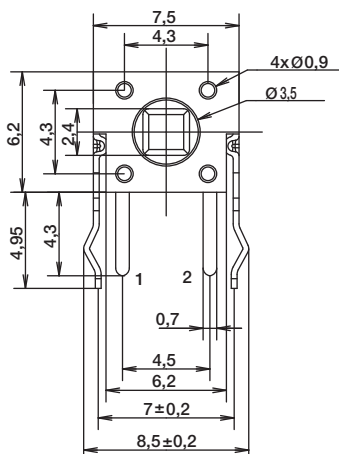
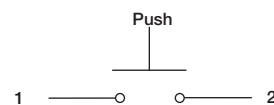


PCB LAYOUT

ACTUATOR SHAPE



SCHEMATIC



RECOMMENDED PCB LAYOUT



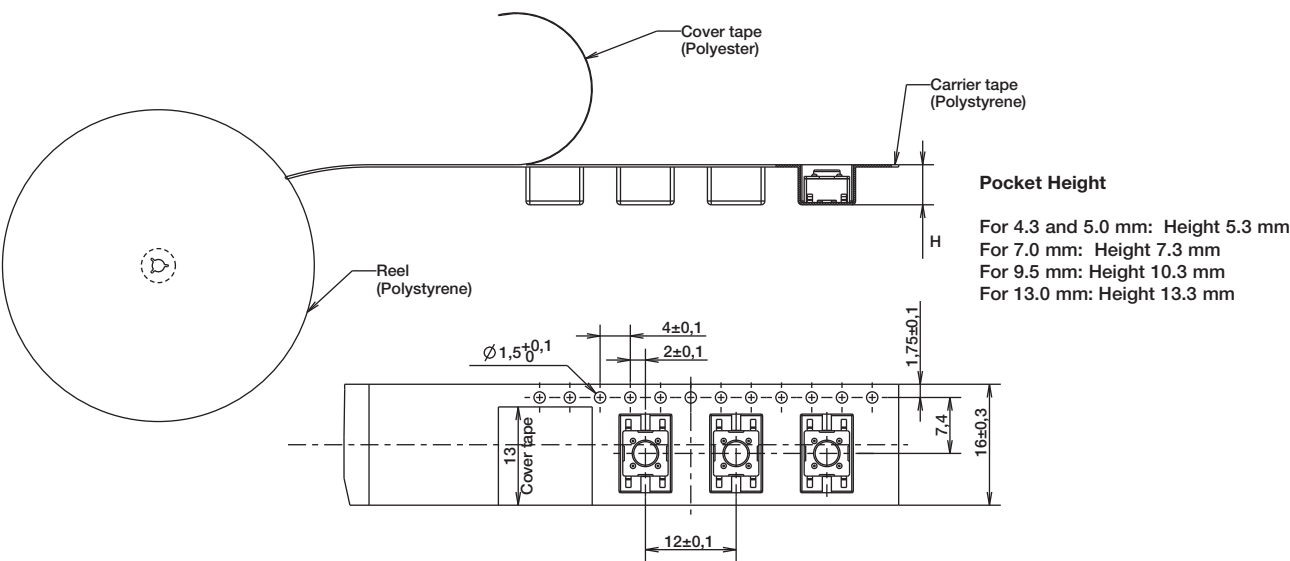
Dimensions are shown: mm
Specifications and dimensions subject to change

PTS645 Series
6 mm Tact Switches

TAPE & REEL

B

Tactile Switches



Mouser Electronics

Authorized Distributor

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C&K Components:

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[PTS645SL43SM](#) [PTS645TJL73](#) [PTS645SJL73](#) [PTS645TH43](#) [PTS645TH50](#) [PTS645TH95](#) [PTS645TH70](#)
[PTS645VL83](#) [PTS645VL31](#) [PTS645VL15](#) [PTS645VL58](#) [PTS645VL39](#) [PTS645SH43SM](#) [PTS645TL95](#) [PTS645TL70](#)
[PTS645TL43](#) [PTS645TL50](#) [PTS645VH39](#) [PTS645VH83](#) [PTS645VH15](#) [PTS645VH58](#) [PTS645VH31](#)
[PTS645SM43SMTR LFS](#) [PTS645SH70 LFS](#) [PTS645VL39 LFS](#) [PTS645VL31 LFS](#) [PTS645SL50 LFS](#) [PTS645SJL73](#)
[LFS](#) [PTS645SM43TR LFS](#) [PTS645VH58 LFS](#) [PTS645VL58 LFS](#) [PTS645VL83 LFS](#) [PTS645TL43 LFS](#)
[PTS645VH15 LFS](#) [PTS645VH83 LFS](#) [PTS645SK50TR LFS](#) [PTS645SL70TR LFS](#) [PTS645SM50TR LFS](#)
[PTS645SH95 LFS](#) [PTS645SK43 LFS](#) [PTS645TL70 LFS](#) [PTS645SL70 LFS](#) [PTS645VH39 LFS](#) [PTS645TL50 LFS](#)
[PTS645SH50 LFS](#) [PTS645VL15 LFS](#) [PTS645SK50 LFS](#) [PTS645TH50 LFS](#) [PTS645VH31 LFS](#) [PTS645SK43TR LFS](#)
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[PTS645SK50-2 LFS](#) [PTS645SM43-2 LFS](#) [PTS645VK31-2 LFS](#) [PTS645VM58-2 LFS](#) [PTS645SL95-2 LFS](#)
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