

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

Specification

FUNCTION: Momentary action

CONTACT ARRANGEMENT: SPST, N.O.

TERMINALS: PC pins

Mechanical

LIFE EXPECTANCY: 100,000 operations.

Electrical

CONTACT RATING: 50 mA @ 12 V DC. DIELECTRIC STRENGTH: 250 V AC min. CONTACT RESISTANCE: 100 m Ω max. initial. INSULATION RESISTANCE: $10^{11} \Omega$ min.

Environmental

OPERATING TEMPERATURE: -40°C to 85°C STORAGE TEMPERATURE: -40°C to 85°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 700 pieces for 7.3 mm height Reels of 500 pieces for 9.5 mm height

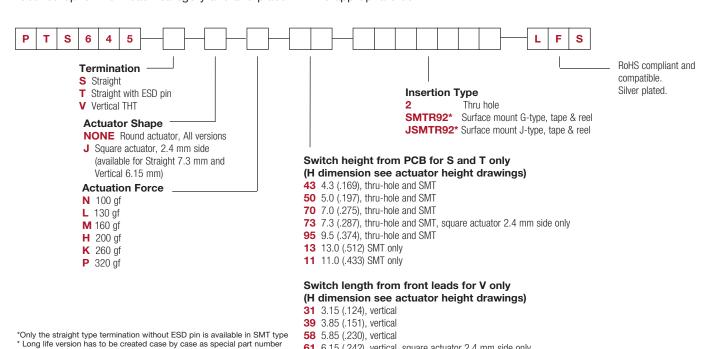
Reels of 400 pieces for 13.0 mm height

NOTE

- Specifications listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center
- 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 and place it in the appropriate box.





Dimensions are shown: mm Specifications and dimensions subject to change

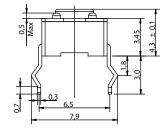
83 8.35 (.329), vertical

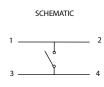
61 6.15 (.242), vertical, square actuator 2.4 mm side only

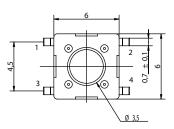
TERMINATION

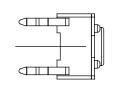
S STRAIGHT

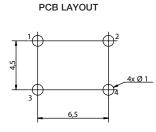




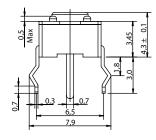


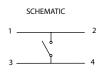


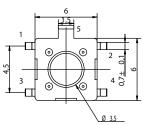


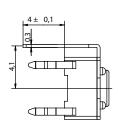


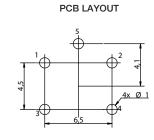
T STRAIGHT WITH ESD PIN







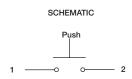


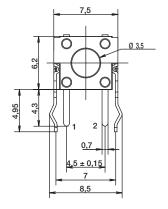


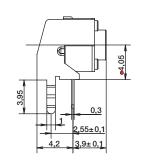
V VERTICAL THT

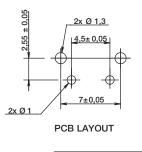














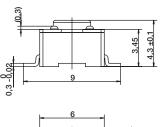
First Angle Projection

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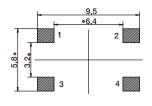


TERMINATION

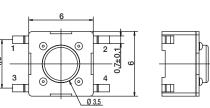
SMT G Type



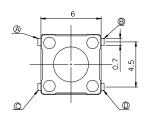




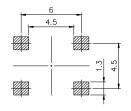
PCB LAYOUT



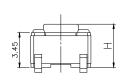
SMT J Type







Ø 0.1 6.6±0.5



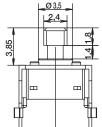
PCB LAYOUT

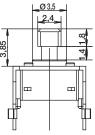


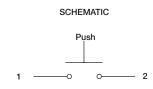
ACTUATOR SHAPE

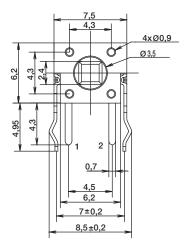
J SQUARE ACTUATOR

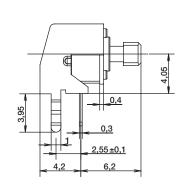
VERTICAL THT - FOR 6.15MM LENGTH ONLY

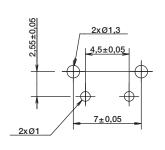






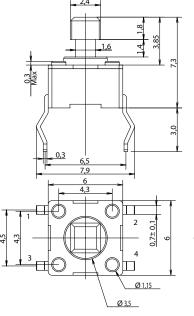


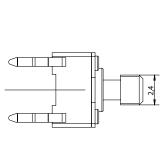


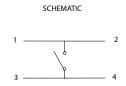


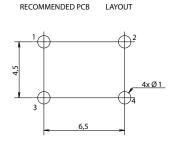
RECOMMENDED PCB LAYOUT

STRAIGHT THT - FOR 7.3MM HEIGHT ONLY









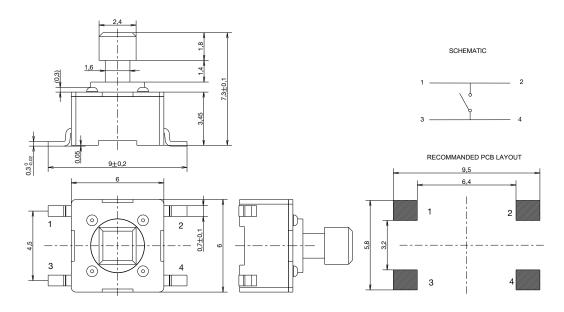


Dimensions are shown: mm Specifications and dimensions subject to change

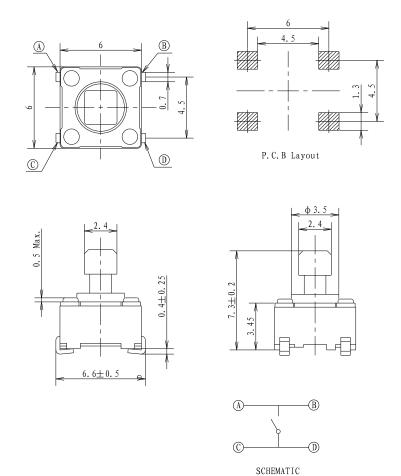


ACTUATOR SHAPE

STRAIGHT SMT G TYPE - FOR 7.3MM HEIGHT ONLY



STRAIGHT SMT J TYPE - FOR 7.3MM HEIGHT ONLY



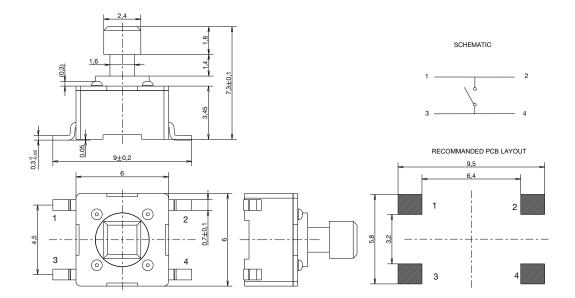


Dimensions are shown: mm Specifications and dimensions subject to change



ACTUATOR SHAPE

STRAIGHT SMT - FOR 7.3MM HEIGHT ONLY







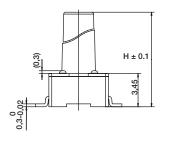


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ACTUATION FORCE

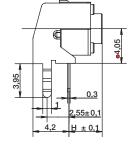
OPTION CODE	FORCE		
L	130 grams Black		
M	160 grams Blue		
Н	200 grams Gray		
K	260 grams Red		

ACTUATOR HEIGHT



Switch height from PCB for S and T only

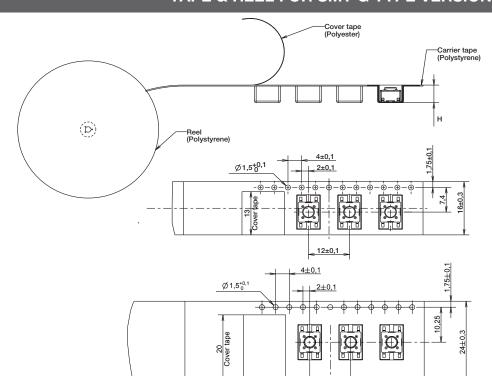
OPTION CODE	DIMENSION H	TERMINATION	SCHEI Without EMC pin	MATIC With EMC pin
43 50 70 95 13	4,3 (.169) 5,0 (.197) 7,0 (.275) 9,5 (.374) 13,0 (.512)	Thru-hole and SMT Thru-hole and SMT Thru-hole and SMT Thru-hole and SMT SMT	10——02 30——04	30 04



Switch length from front leads for V only

OPTIO		TERMINATION	SCHEMATIC Without EMC pin With EMC pin	
31	3,15 (.124)	Vertical		
39	3,85 (.151)	Vertical		10
58	5,85 (.230)	Vertical		~ ~ ~ ~ ↓
83	8,35 (.329)	Vertical		

TAPE & REEL FOR SMT G TYPE VERSIONS



OPTION CODE	WIDTH TAPE	POCKET HEIGHT
43	16 _± 0.3	5.3
50	16 _± 0.3	5.3
70	16 _± 0.3	7.3
73	16 _± 0.3	7.6
95	24 ± 0.3	10.3
13	24 _± 0.3	13.3



Dimensions are shown: mm

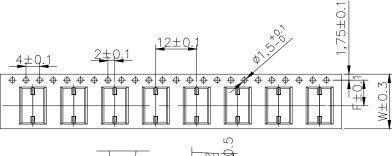


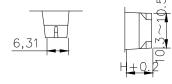
14 Nov 22

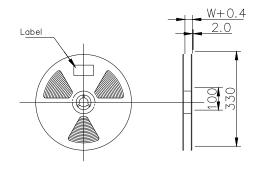
Specifications and dimensions subject to change

_ 12±0,1

TAPE & REEL FOR SMT J TYPE VERSIONS



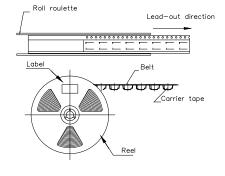




Tape specifications

Product height (H)mm	Carrier tape width (W)mm	Center distance of carrier tape (F)mm	pcs/reel
4.3	16	7.5	1000
5.0	16	7.5	1000
7.0	16	7.5	700
7.3	16	7.5	700
9.5	24	11.5	500
11	24	11.5	500
13	24	11.5	500

Note: The disc rotates counterclockwise. According to the packing shown in the figure, the braid must not be twisted to prevent product deformation;







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Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

C&K Switches:

PTS645VL31 LFS PTS645SL43SMTRLFS PTS645SM70-2 LFS PTS645VM39-2 LFS PTS645VK58-2 LFS
PTS645VL83-2 LFS PTS645SH70-2 LFS PTS645SK43SMTR 92 LFS PTS645VH39-2 LFS PTS645SH50SMTR 92
LFS PTS645SM70SMTR92 LFS PTS645SM13SMTR92 LFS PTS645TL502LFS PTS645VL832LFS
PTS645VL31LFS PTS645VM392LFS PTS645VH392LFS PTS645VK582LFS PTS645SH702LFS PTS645SM702LFS
PTS645SJM732LFS PTS645VJK612LFS PTS645VJH612LFS PTS645VJL612LFS PTS645VJM612LFS