

Tactile Switches



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

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

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

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

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

OPERATING TEMPERATURE: -20°C to 60°C

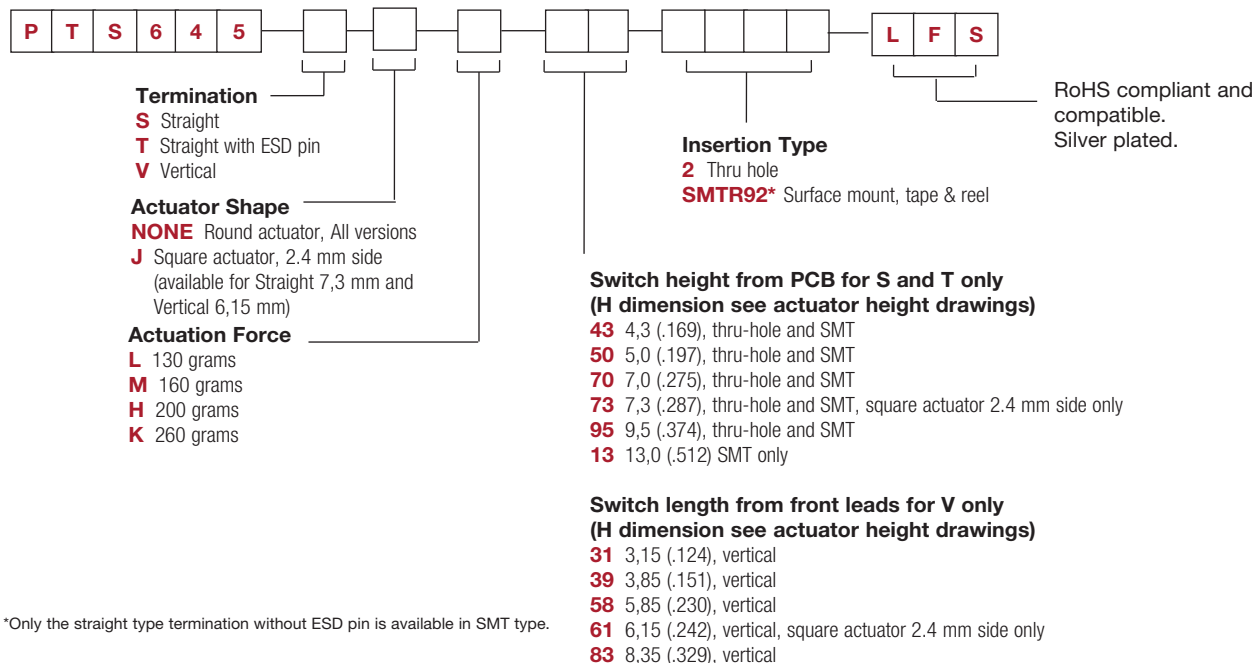
SOLDERING: Preheating to 100°C for 45 sec. max. Keep flux flush with top surface of PCB; do not apply to component side of PCB and area where terminals are located. Soldering to 255°C for 5 sec. max. Clean by brushing on solder surface. Do not clean switch with solvents.

Bulk packaging.

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

How To Order

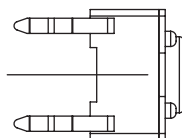
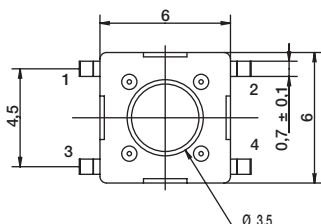
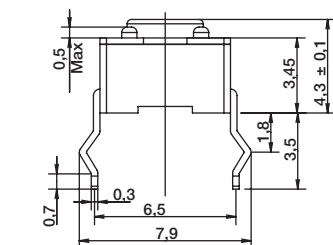
Our easy build-a-switch concept allows you to mix and match options to create the switch you need. To order, select desired option from each category and place it in the appropriate box.



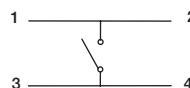
PTS645 Series 6 mm Tact Switches

TERMINATION

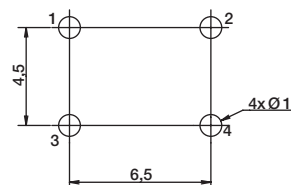
S STRAIGHT



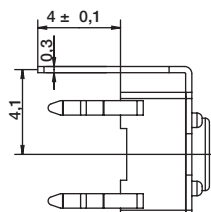
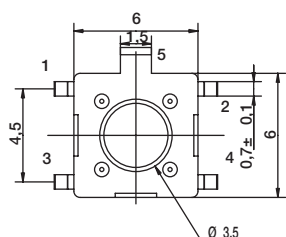
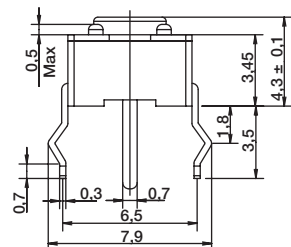
SCHEMATIC



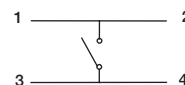
PCB LAYOUT



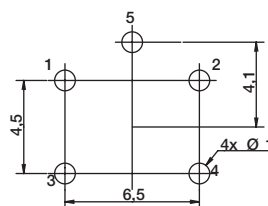
T STRAIGHT WITH ESD PIN



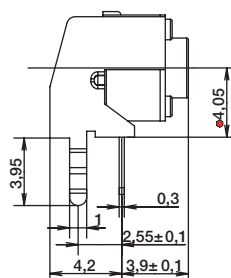
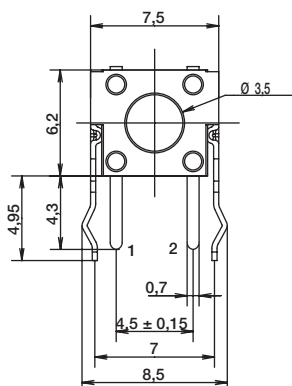
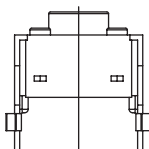
SCHEMATIC



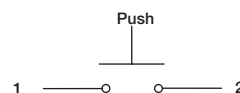
PCB LAYOUT



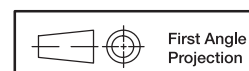
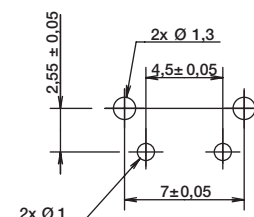
V VERTICAL



SCHEMATIC



PCB LAYOUT



First Angle
Projection

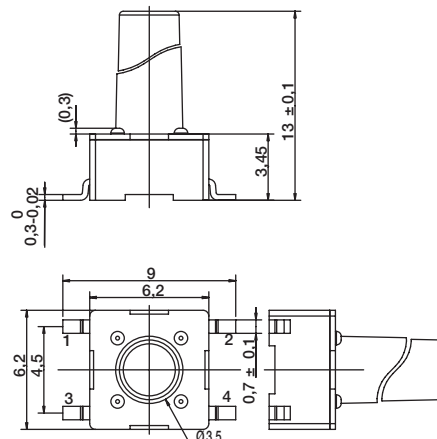
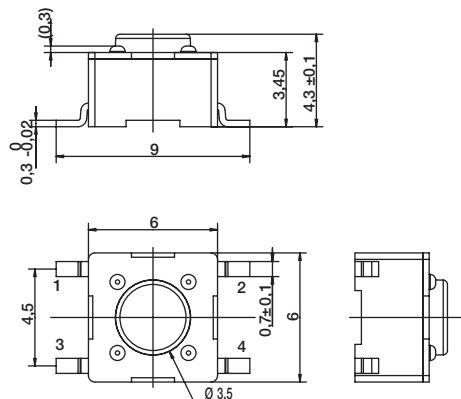
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TERMINATION

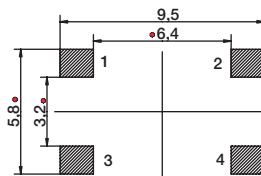
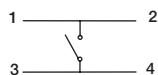
SMT

FOR 4.3, 5.0, 7.0, 9.5 MM HEIGHT

13.0 MM HEIGHT ONLY



SCHEMATIC

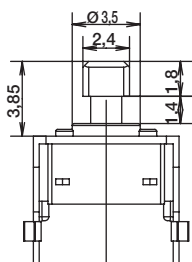


PCB LAYOUT

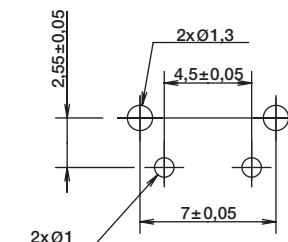
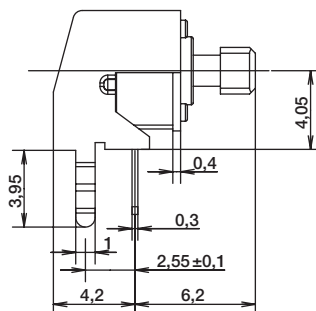
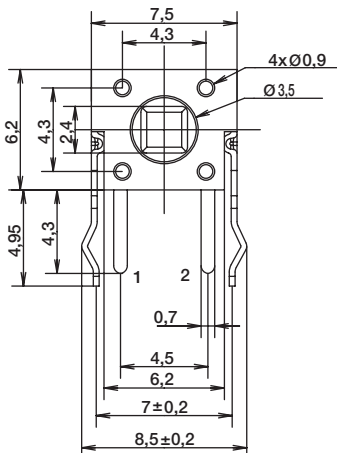
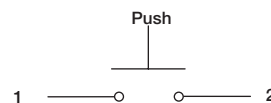
ACTUATOR SHAPE

J SQUARE ACTUATOR

VERTICAL THT - FOR 6,15MM LENGTH ONLY



SCHEMATIC



RECOMMENDED PCB LAYOUT

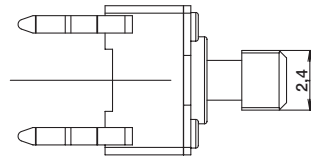
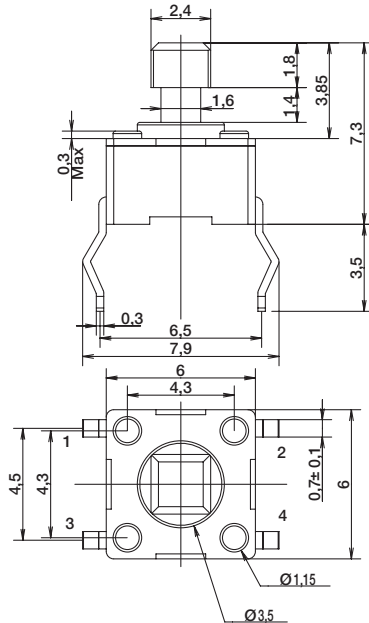


First Angle
Projection

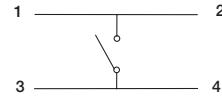
Dimensions are shown: mm
Specifications and dimensions subject to change

ACTUATOR SHAPE

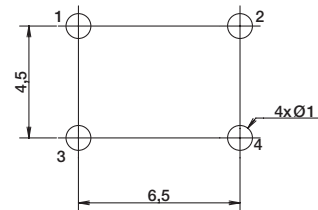
VERTICAL THT - FOR 7,3MM HEIGHT ONLY



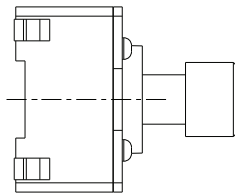
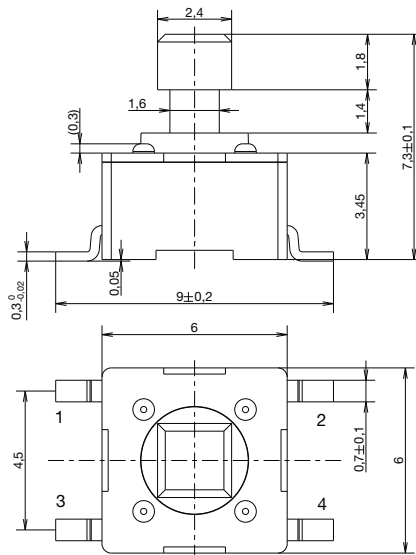
SCHEMATIC



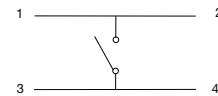
RECOMMENDED PCB LAYOUT



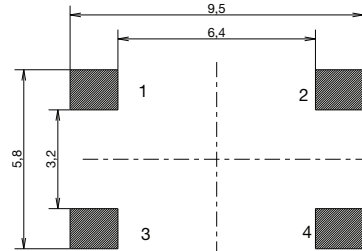
STRAIGHT SMT - FOR 7,3MM HEIGHT ONLY



SCHEMATIC



RECOMMENDED PCB LAYOUT



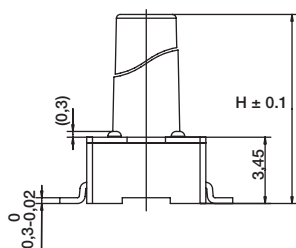
PTS645 Series 6 mm Tact Switches

ACTUATION FORCE

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

ACTUATOR HEIGHT

Tactile Switches

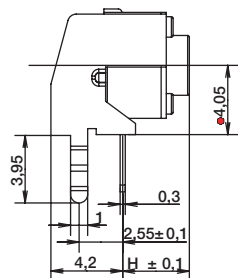


Switch height from PCB for S and T only

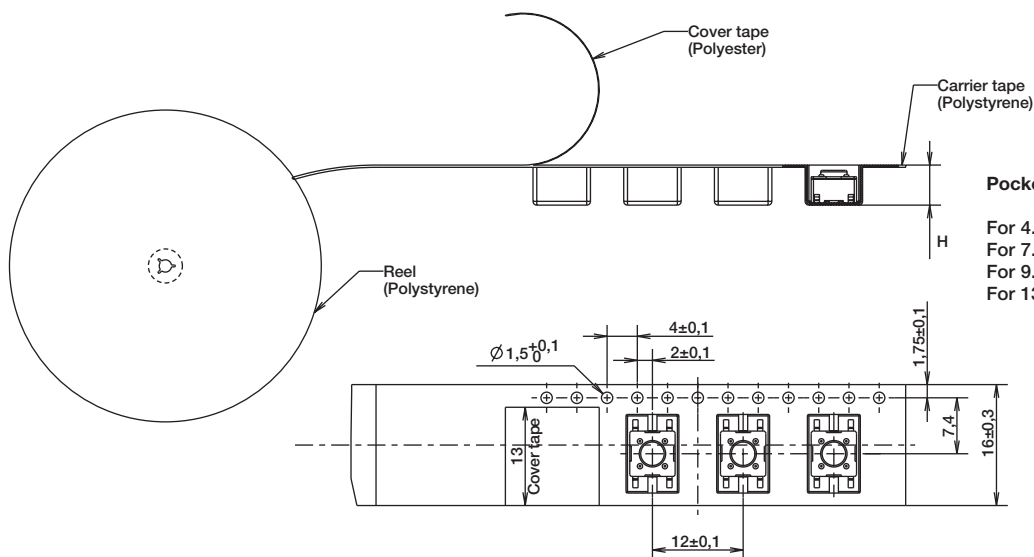
OPTION CODE	DIMENSION H	TERMINATION	SCHEMATIC	
			Without EMC pin	With EMC pin
43	4,3 (.169)	Thru-hole and SMT		
50	5,0 (.197)	Thru-hole and SMT		
70	7,0 (.275)	Thru-hole and SMT		
95	9,5 (.374)	Thru-hole and SMT		
13	13,0 (.512)	SMT		

Switch length from front leads for V only

OPTION CODE	DIMENSION H	TERMINATION	SCHEMATIC	
			Without EMC pin	With EMC pin
31	3,15 (.124)	Vertical		
39	3,85 (.151)	Vertical		
58	5,85 (.230)	Vertical		
83	8,35 (.329)	Vertical		



TAPE & REEL



Pocket Height

For 4.3 and 5.0 mm: Height 5.3 mm
For 7.0 mm: Height 7.3 mm
For 9.5 mm: Height 10.3 mm
For 13.0 mm: Height 13.3 mm