# PTS635 Series 3,5 mm Tact Switches

#### Features/Benefits

- Compact size 6 x 3.5 mm
- Variety of switch heights
- 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

ACTUATION FORCE: PTS635L models: 130 grams.

PTS635H models: 200 grams.

LIFE EXPECTANCY: 20,000 operations.

#### **Electrical**

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

#### **Environmental**

OPERATING TEMPERATURE: -40°C to 60°C

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

#### **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.

#### **Materials**

BASE: 6/6 nylon or glass filled polyester (PBT) (UL 94V-0). ACTUATOR: 6/6 nylon or polyacetal (UL 94HB). COVER PLATE: Tin plated stainless steel DOME CONTACTS: Phosphor bronze, silver clad. STATIONARY CONTACTS: Brass, silver plated. TERMINALS: Brass, silver plated. Insert molded.

#### **Packaging**

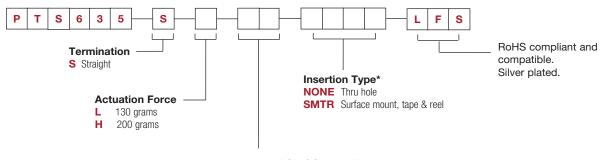
Bulk packaging.

Tape & reel for:

PTS635Sx43SMTR, 1700 pcs per reel

#### **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.



Actuator Height to PCB / Ground Pin

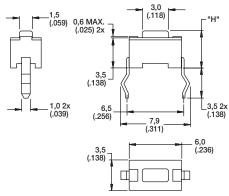
43 4,3 (.169), Thru-hole and SMT

50 5,0 (.197), Thru-hole

<sup>\*</sup> SMTR only available with PTS635 43 Actuator Height options.

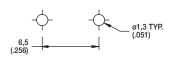


## **THRU-HOLE**

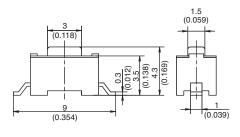


For "H" dimension please refer to chart on next page

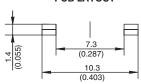
#### **PCB LAYOUT**



## **SMT**



#### PCB LAYOUT



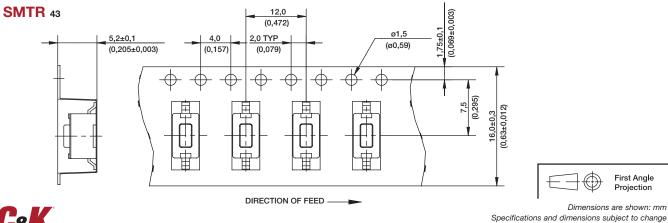
# **ACTUATION FORCE**

OPTION CODE	FORCE
L	130 grams
н	200 grams

## **ACTUATOR HEIGHT**

OPTION CODE	HEIGHT "H" or LENGTH "L"	TERMINATION	SCHEMATIC
43 50	4,3 (.169) 5,0 (.197)	Thru-hole & SMT Thru-hole	1 0

# **INSERTION TYPE**



B-94

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