

# PTS125 Series

## 12 mm Tact Switches



### Features/Benefits

- **Stable control feeling**
- **Thru-hole or vertical actuation**
- **160 or 260 grams 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: PTS125M models: 160 grams.  
PTS125 K models: 260 grams.  
LIFE EXPECTANCY: 200,000 operations, M option;  
100,000 operations, K option.

### Electrical

CONTACT RATING: 50 mA @ 12 V DC.0  
DIELECTRIC STRENGTH: 250 V AC min.  
CONTACT RESISTANCE: 100 mΩ max. initial.  
INSULATION RESISTANCE: 10<sup>11</sup> Ω min.

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

### Environmental

OPERATING TEMPERATURE: -40°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.

### Materials

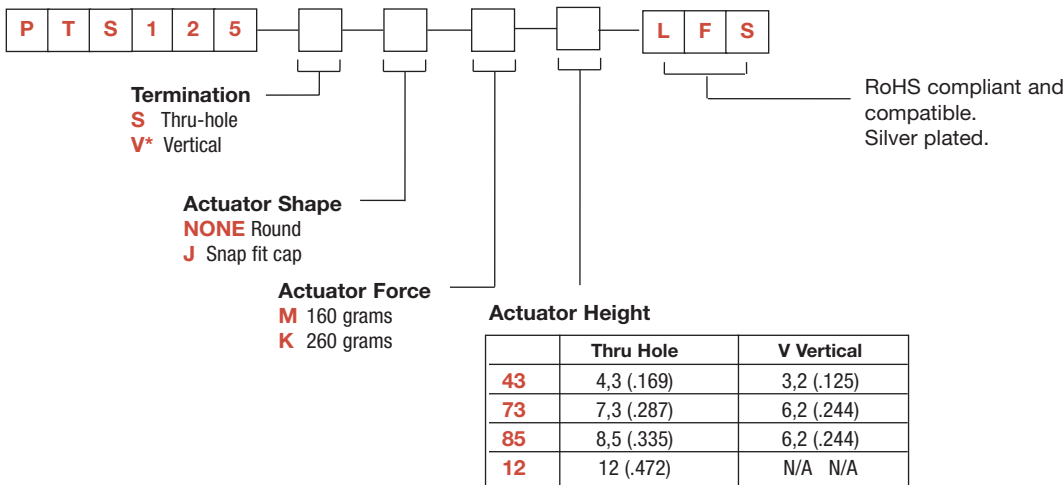
BASE: 6/6 nylon or glass filled polyester (PBT) (UL 94V-0).  
ACTUATOR: PBT (UL94V0) or polyacetal (UL 94HB).  
COVER PLATE: Tin alloy.  
DOME CONTACTS: Phosphor bronze, silver clad.  
STATIONARY CONTACTS: Brass, silver plated.  
TERMINALS: Brass, silver plated. Insert molded.

### Packaging

Tube packaging.

### How To Order

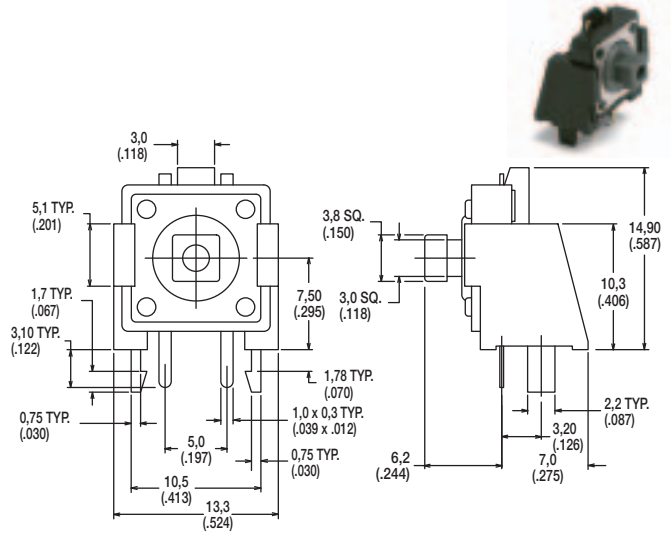
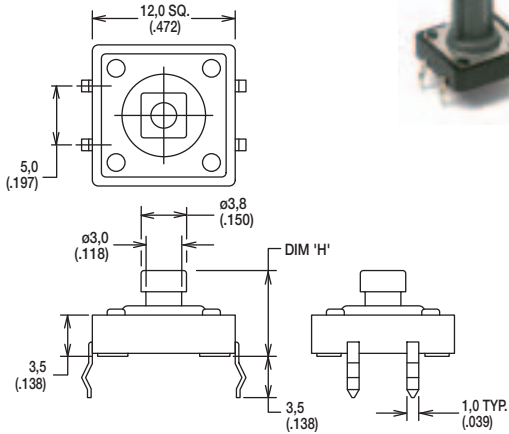
Our easy build-a-switch concept allows you to mix and match options to create the switch you need. To order, select desired option from each category and and place it in the appropriate box.



\* V option available with J73 actuator only.

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**SERIES** 

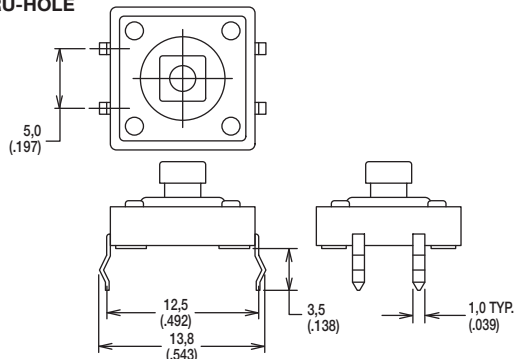


3

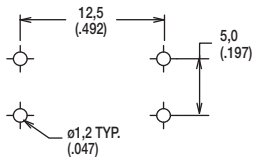
## Tactile Switches

**TERMINATION** 

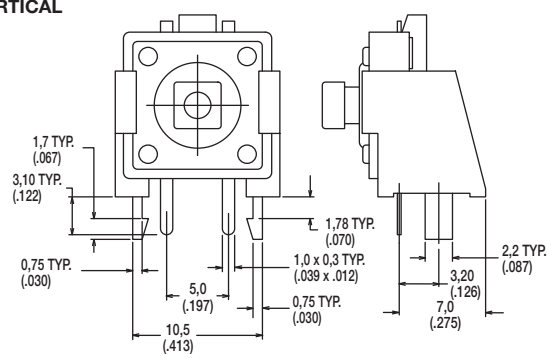
## S THRU-HOLE



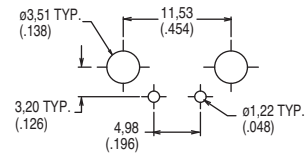
## PCB LAYOUT



**V VERTICAL**



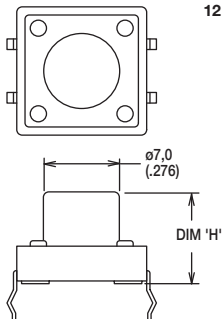
## PCB LAYOUT



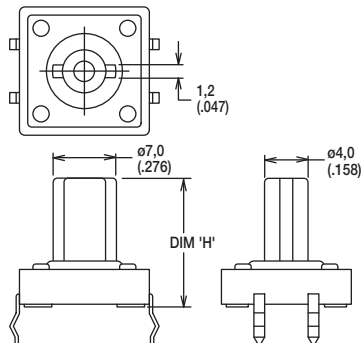
**ACTUATOR SHAPE** 

**NONE** ROUND

**43 and 85 heights only**

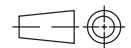
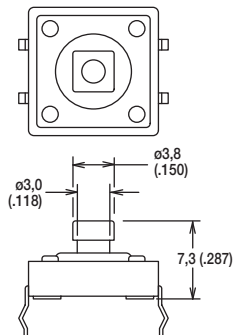


**12 height only**



## J SNAP-FIT CAP

73 height only



### First Angle Projection

Dimensions are shown: Inch (mm)  
Specifications and dimensions subject to change

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ACTUATION FORCE 

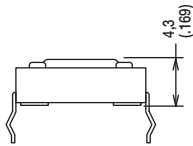
| OPTION CODE | FORCE     |
|-------------|-----------|
| M           | 160 grams |
| K           | 260 grams |

B

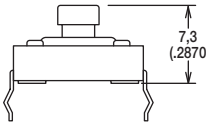
Tactile Switches

ACTUATOR HEIGHT 

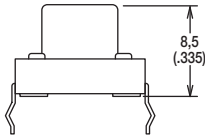
43 4,3 mm



73 7,3 mm SNAP-FIT



85 8,5 mm



12 12 mm

