

# PTS635 Series

## 3,5 mm Tact Switches



### Features/Benefits

- Compact size 6 x 3.5 mm
- Variety of switch heights
- Choice of actuation force

### 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 mΩ max. initial.  
INSULATION RESISTANCE: 10<sup>10</sup>Ω min.

### 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: 6/6 nylon or polyacetal (UL 94HB).  
COVER PLATE: PTS635S and PTS635V models: Tin plated stainless steel  
DOME CONTACTS: Phosphor bronze, silver clad.  
STATIONARY CONTACTS: Brass, silver plated.  
TERMINALS: Brass, silver plated. Insert molded.

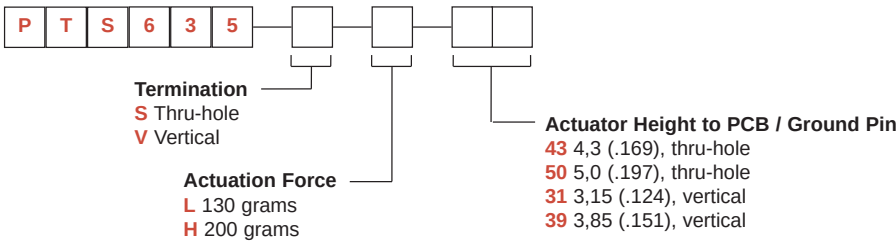
### Packaging

Bulk packaging.

**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.

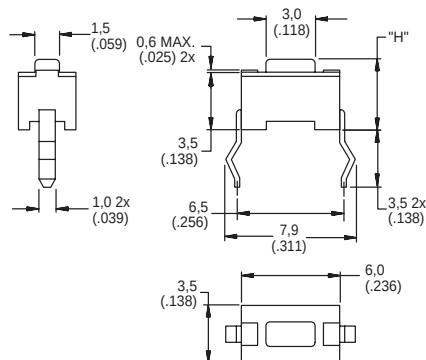


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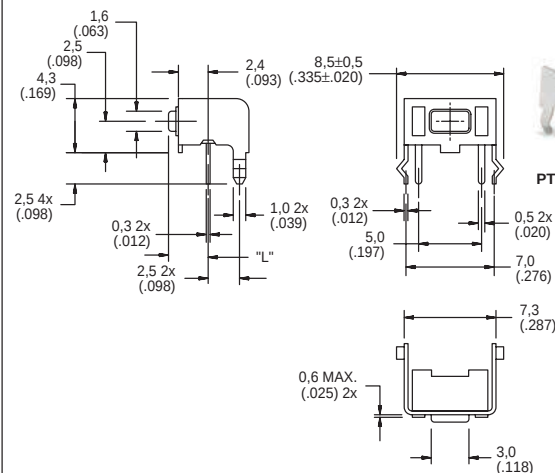
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SERIES

### PTS635



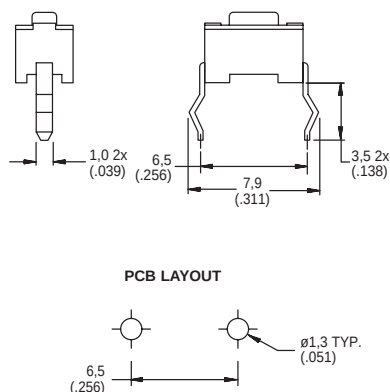
PTS635S Model



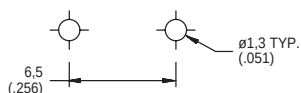
PTS635V Model

TERMINATION

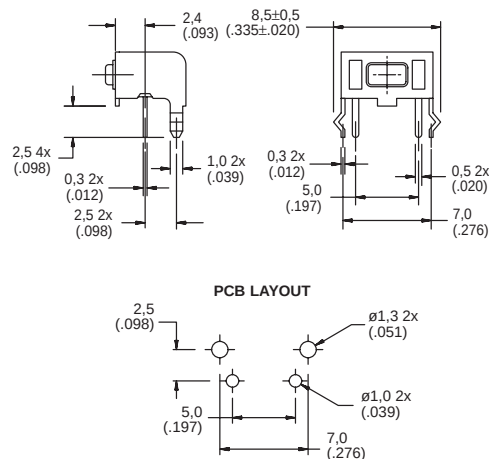
### S THRU-HOLE



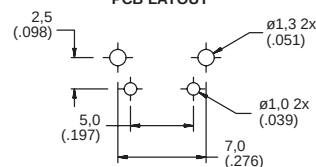
PCB LAYOUT



### V VERTICAL



PCB LAYOUT



ACTUATION FORCE

| OPTION CODE | FORCE     |
|-------------|-----------|
| L           | 130 grams |
| H           | 200 grams |

ACTUATOR HEIGHT

| OPTION CODE | HEIGHT "H" or LENGTH "L" | TERMINATION | SCHEMATIC |
|-------------|--------------------------|-------------|-----------|
| 43          | 4,3 (.169)               | Thru-hole   | 1 — 2     |
| 50          | 5,0 (.197)               | Thru-hole   | 1 — 2     |
| 31          | 3,15 (.124)              | Vertical    | 1 — 2     |
| 39          | 3,85 (.151)              | Vertical    | 3 — 4     |