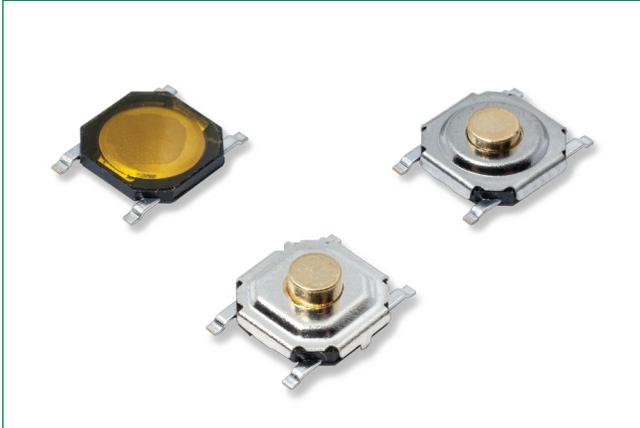


# PTS526 Series

## Microminiature SMT Top Actuated



### Description

The PTS526 series tactile switch is a small 5.2 x 5.2 mm form factor in SMT version with 4 different heights and 3 available actuation forces, ideal for general usage applications. PTS526 tactile switch also includes ground pin options.

### Features & Benefits

- 5.2 x 5.2 mm footprint
- Variable thickness
- Commercial grade

### Applications

- IoT devices
- Home automation
- Remote controls

### Specifications

<b>Function</b>	Momentary action
<b>Contact Arrangement</b>	1 make contact SPST NO
<b>Terminals</b>	J and G type for SMT
<b>Travel</b>	0.25 mm +/- 0.1 mm
<b>Packaging</b>	In reels of 5,000 pieces for 0.8 mm height. In reels of 4,000 pieces for 1.5 ; 1.7 and 2.0 mm height. Dimensions of reels according to EIA 481B. External diameter 330 mm.

### Electrical Characteristics

<b>Maximum Voltage</b>	12 VDC
<b>Maximum Current DC</b>	50 mA
<b>Dielectric Strength</b>	250 vA C (1mn)
<b>Contact Resistance</b>	≤ 100 mΩ initial
<b>Insulation Resistance</b>	≥ 100 MΩ
<b>Bounce Time</b>	≤ 10 ms

### Environmental Characteristics

<b>Operating Temperature</b>	-40°C to 85°C
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### Process

<b>Soldering</b>	This component is suited to the following methods: Infrared Reflow Soldering in accordance with IEC61760-1
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# PTS526 Series

## Microminiature SMT Top Actuated



### Mechanical Characteristics

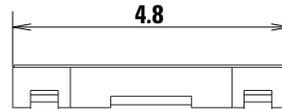
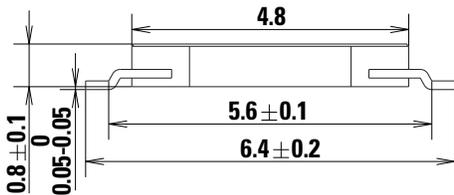
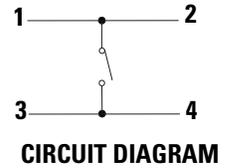
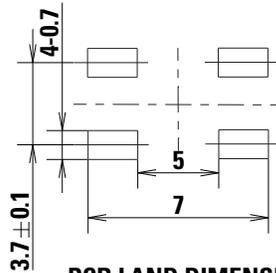
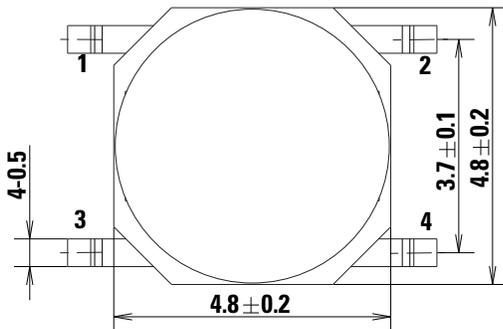
Item Description	Operation Force (gf)	Operating Life	Ground Pin
PTS526SM1SMTR2 LFS	160 ± 50	500,000	Without ground pin
PTS526SK1SMTR2 LFS	250 ± 50	200,000	
PTS526SP1SMTR2 LFS	320 ± 50	100,000	
PTS526SMG1SMTR2 LFS	160 ± 50	500,000	With ground pin
PTS526SKG1SMTR2 LFS	250 ± 50	200,000	
PTS526SPG1SMTR2 LFS	320 ± 50	100,000	
PTS526SM1SMTR21 LFS	160 ± 50	1,000,000	Without ground pin
PTS526SMG1SMTR21 LFS	160 ± 50	1,000,000	With ground pin

**Notes:**

1. PTS526SX08 SMTR2 LFS 160gf version with 200,000 life cycles  
 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 representative to discuss your application and the best switch solution.

### Dimensions (mm)

#### 0.8 mm Height – G Leads Lead Only, No Ground Pin

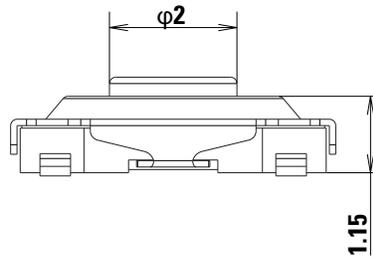
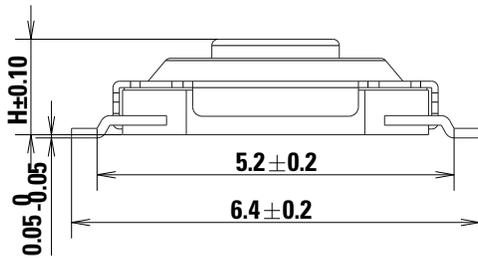
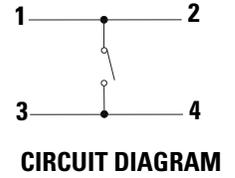
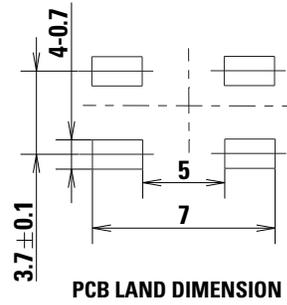
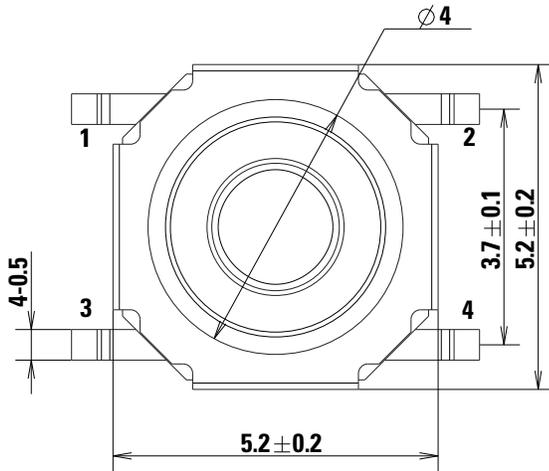


# PTS526 Series

Microminiature SMT Top Actuated



1.5 ; 1.7 and 2.0 mm Height – G Leads, with Ground Pin

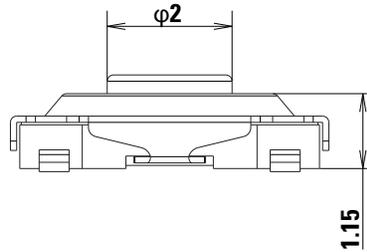
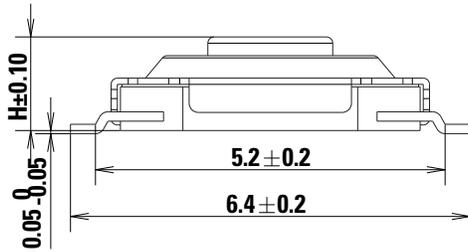
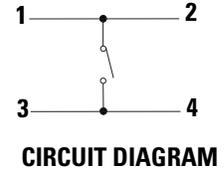
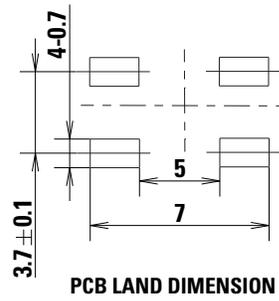
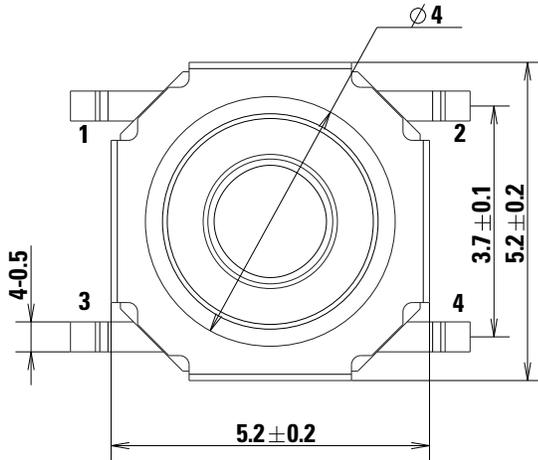


# PTS526 Series

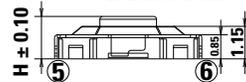
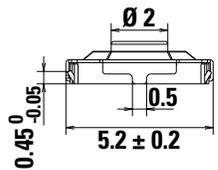
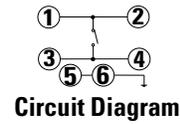
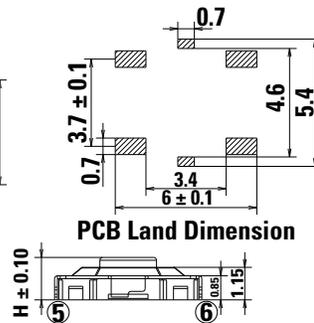
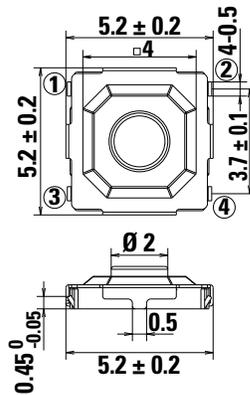
## Microminiature SMT Top Actuated



1.5 ; 1.7 and 2.0 mm Height – G Leads, No Ground Pin



1.5 ; 1.7 and 2.0 mm height – J leads, with ground pin

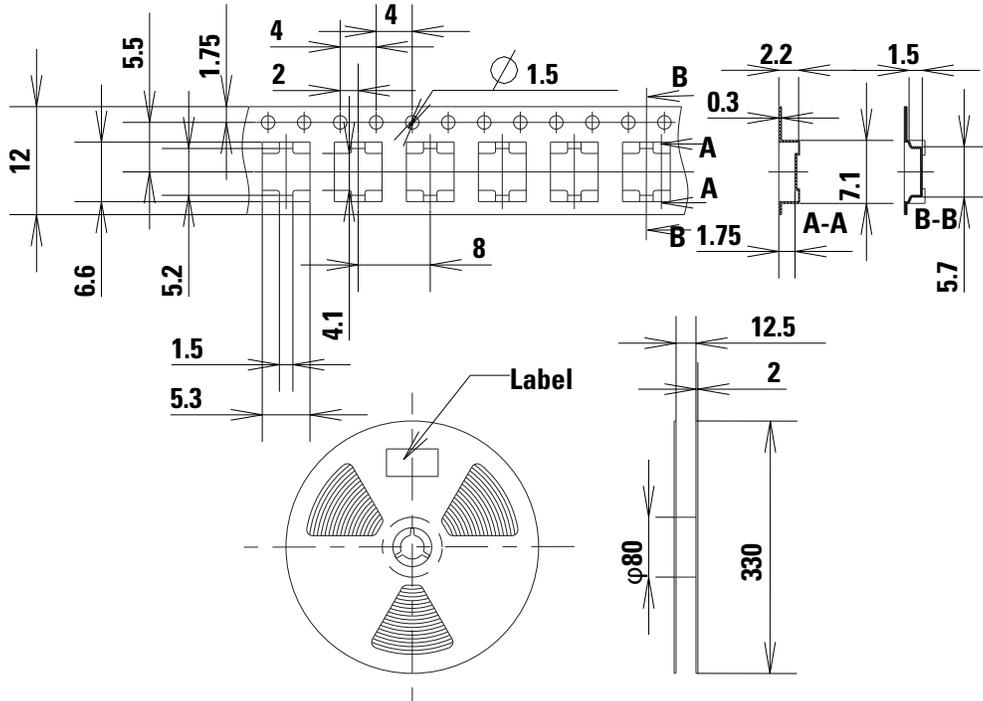


# PTS526 Series

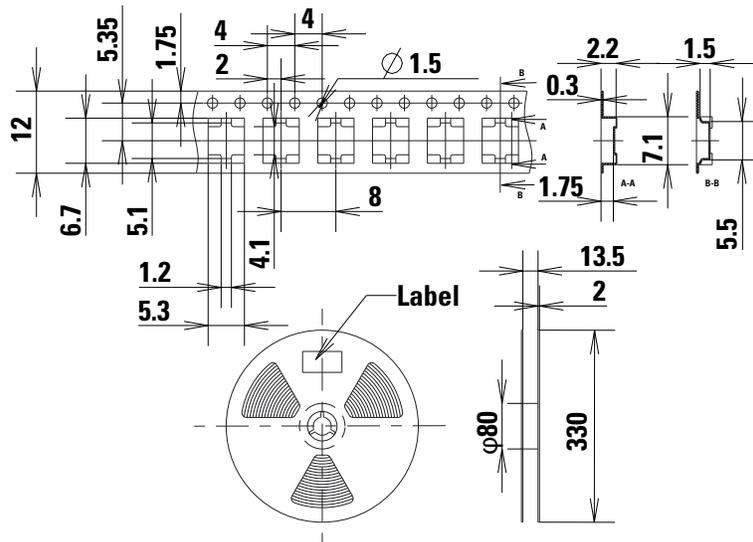
Microminiature SMT Top Actuated



**Tape & Reel**  
**0.8 mm Height**  
**5,000 Pieces per Reel**



**1.5; 1.7 and 2.0 mm Height**  
**4,000 Pieces per Reel**



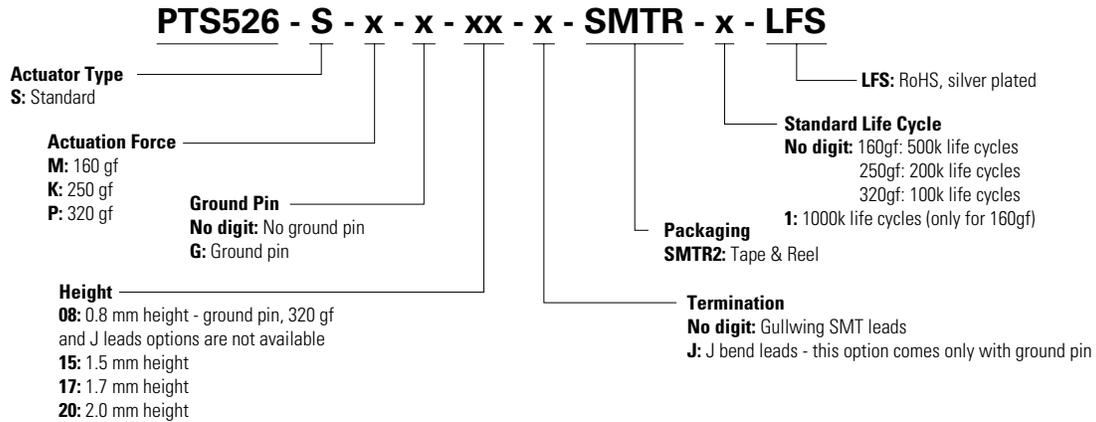
# PTS526 Series

## Microminiature SMT Top Actuated



### Ordering Number

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. For any part number different from those listed above, please consult your local representative.



### Liability Limitation

This datasheet does not provide enough information for applications that require a certain level of quality or safety such as automotive, medical systems, or safety equipment. Please contact customer service for the contractual specification package.

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