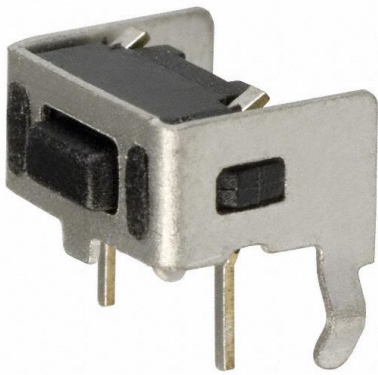


# PTS635VL31 LFS Datasheet

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DiGi Electronics Part Number	PTS635VL31 LFS-DG
Manufacturer	<a href="#">C&amp;K</a>
Manufacturer Product Number	PTS635VL31 LFS
Description	SWITCH TACTILE SPST-NO 0.05A 12V
Detailed Description	Tactile Switch SPST-NO Side Actuated Through Hole, Right Angle

This model PTS635VL31 LFS is available at DiGi Electronics.

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## Purchase and inquiry

Manufacturer Product Number:

PTS635VL31 LFS

Series:

PTS635

Circuit:

SPST-NO

Contact Rating @ Voltage:

0.05A @ 12VDC

Mounting Type:

Through Hole, Right Angle

Actuator Length, Right Angle:

3.15mm

Termination Style:

PC Pin

Illumination:

Non-Illuminated

Illumination Voltage (Nominal):

-

Ingress Protection:

-

Operating Temperature:

-40°C ~ 60°C

Switch Travel:

-

Base Product Number:

PTS635

Manufacturer:

C&K

Product Status:

Obsolete

Switch Function:

Off-Mom

Actuator Type:

Rectangular Button

Actuator Height off PCB, Vertical:

-

Actuator Orientation:

Side Actuated

Outline:

6.00mm x 3.50mm

Illumination Type, Color:

-

Operating Force:

130gf

Features:

-

Actuator Material:

Polyamide (PA66), Nylon 6/6

Mechanical Life:

20,000 Cycles

## Environmental & Export classification

RoHS Status:

RoHS Compliant

REACH Status:

REACH Unaffected

HTSUS:

8536.50.9031

Moisture Sensitivity Level (MSL):

1 (Unlimited)

ECCN:

EAR99

# 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



Tactile Switches

## 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>11</sup>Ω 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.

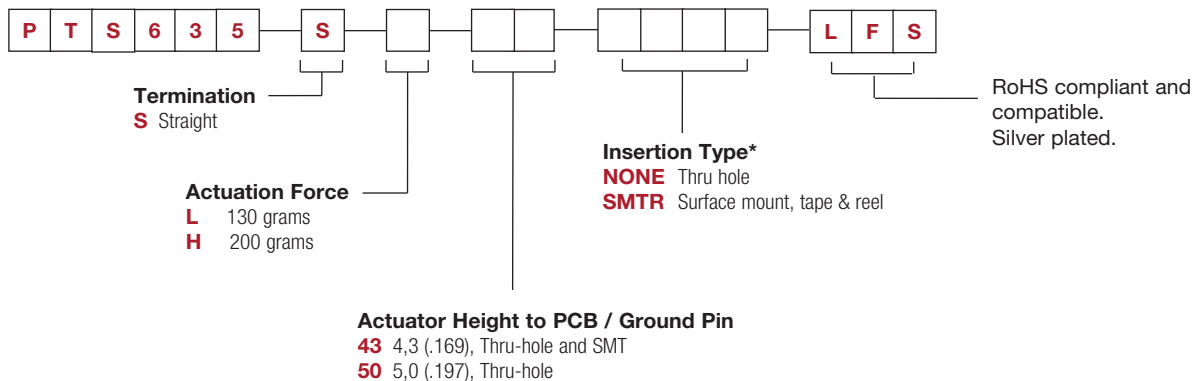
## Packaging

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.

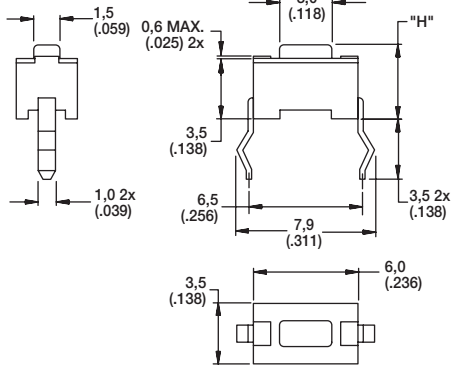


\* SMTR only available with PTS635 43 Actuator Height options.

# PTS635 Series

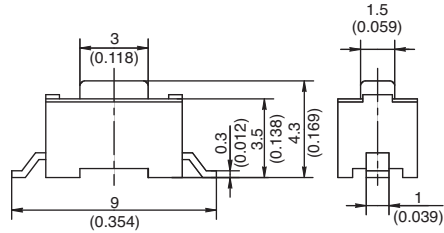
## 3,5 mm Tact Switches

### THRU-HOLE

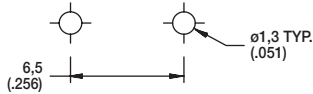


For "H" dimension please refer to chart on next page

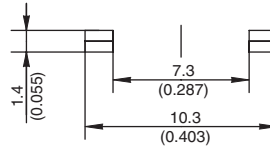
### SMT



### PCB LAYOUT



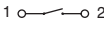
### PCB LAYOUT



## ACTUATION FORCE

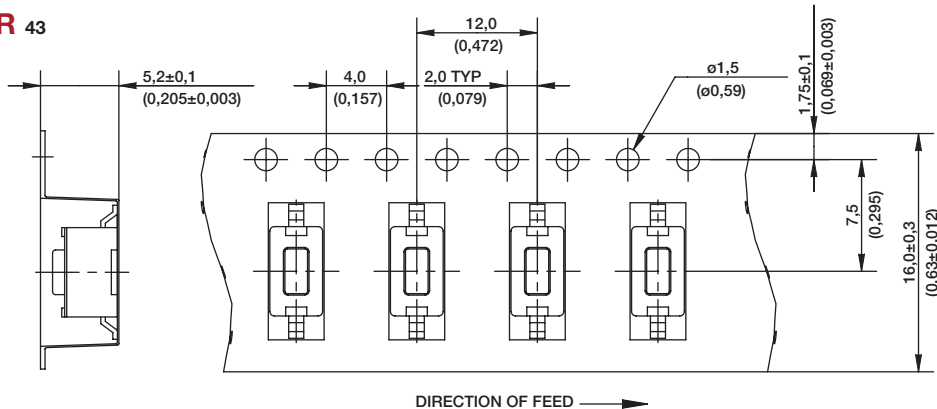
OPTION CODE	FORCE
<b>L</b>	130 grams
<b>H</b>	200 grams

## ACTUATOR HEIGHT

OPTION CODE	HEIGHT "H" or LENGTH "L"	TERMINATION	SCHEMATIC
<b>43</b>	4,3 (.169)	Thru-hole & SMT	1  2
<b>50</b>	5,0 (.197)	Thru-hole	

## INSERTION TYPE

### SMTR 43



Dimensions are shown: mm  
Specifications and dimensions subject to change



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