

# TPF16LS Series Sealed 6 mm Tact Switches

## Features/Benefits

- Positive tactile feeling
- Various heights
- IP67

## Typical Applications

- Automotive
- Cellular phones
- Industrial electronics
- Network infrastructure and IT
- Elevator

## 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.

## Environmental

	Silver	Gold
OPERATING TEMPERATURE:	-40°C to 85°C	-40°C to 125°C
STORAGE TEMPERATURE:	-55°C to 85°C	-55°C to 125°C

## Process

**SOLDERING:** Depending on the application, this component is suited to the following methods:

- Terminals being silver or gold plated over a nickel barrier, the use of slightly activated flux is suitable.
- Soldering on double wave machine for vertical versions: soldering time ≤ 5 sec.
- Cleaning according to typical washing processes.
- Infrared Reflow Soldering in accordance with IEC 61760-1.

## Electrical

	Silver	Gold
MAXIMUM POWER:	1 VA	0.2 VA
MAXIMUM VOLTAGE:	32 VDC	32 VDC
MINIMUM VOLTAGE:	20 mV	20 mV
MAXIMUM CURRENT:	50 mA	10 mA
MINIMUM CURRENT:	1 mA*	0.1 mA

DIELECTRIC STRENGTH (50 Hz, 1 min.): ≥ 250 Vrms  
 CONTACT RESISTANCE: ≤ 50mΩ  
 INSULATION RESISTANCE (100 V): ≥ 10M Ω  
 BOUNCE TIME: ≤ 1 ms

\* Ultra low current with 10 µA - 1 VDC version are available upon request for TPF16

## Packaging

Tape and Reel (see series for quantity information)

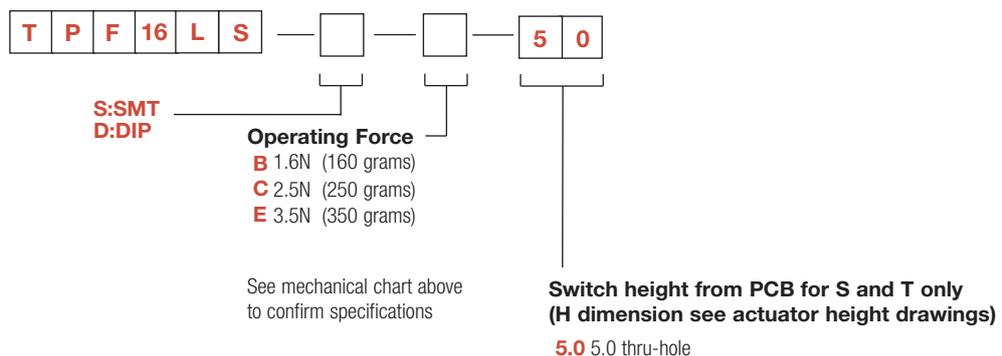
**NOTE:** Specifications listed above are for switches with standard options.

## 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.

**However, please note that all the combinations of these options are not feasible.**

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

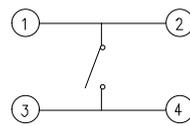
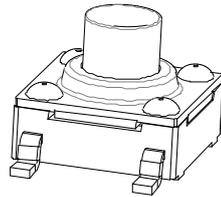
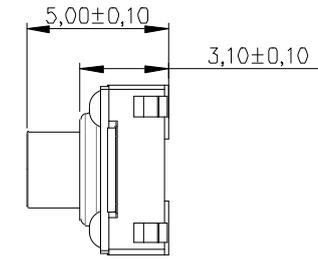
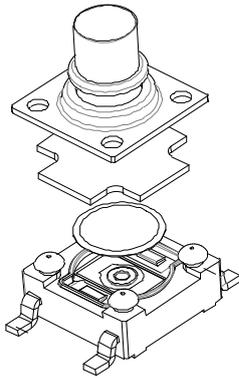


# TPF16LS Series Sealed 6 mm Tact Switches

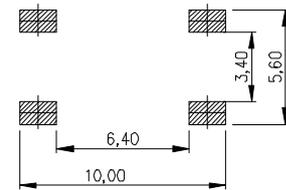
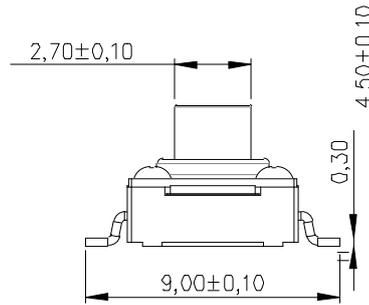
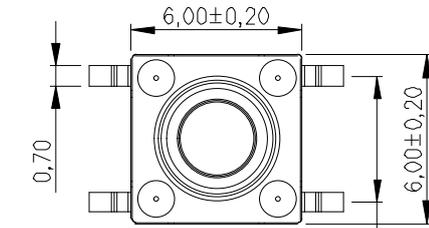
**TPF16LS-SB50**  
**TPF16LS-SC50**

**B**

**Tactile Switches**

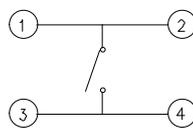
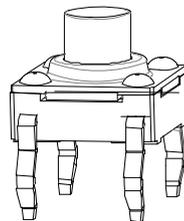
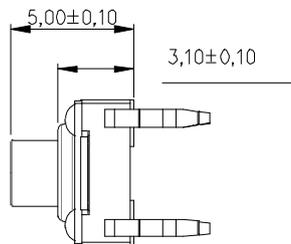
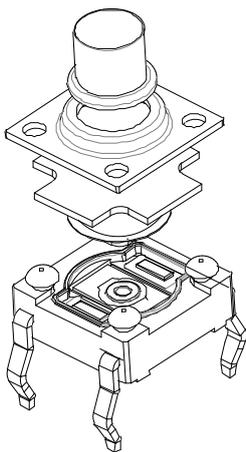


CIRCUIT DIAGRAM

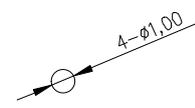
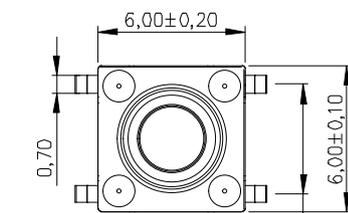
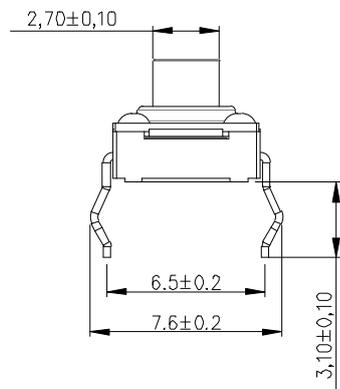


PCB.WELDING DRAWING

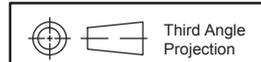
**TPF16LS-DB50**  
**TPF16LS-DC50**



CIRCUIT DIAGRAM



PCB.WELDING DRAWING



Third Angle  
Projection

Dimensions are shown:mm  
Specifications and dimensions subject to change

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