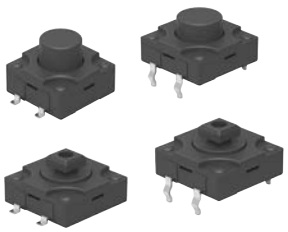
TPF12 Series
Sealed 12.0 mm Tact Switches

Features/Benefits

- ***Positive tactile feeling***
- ***J or G terminations***
- ***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 equipement. 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: ≤ 100mΩ
INSULATION RESISTANCE (100 V): ≥ 10M Ω
BOUNCE TIME: ≤ 1 ms
* Ultra low current with 10 µA - 1 VDC version are available upon request for TPF12

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.

T P F 12 [ ] [ ] [ ][ ] L F S

Termination
1
2
3
4

Operating Force
0 1.6 N (160 grams)
2 2.6N (260 grams)
4 3.5 N (350 grams)

See mechanical chart above to confirm specifications

Switch height from PCB for S and T only
(H dimension see actuator height drawings)

6.0 6.0,thru-hole
6.5 6.5,thru-hole
7.0 7.0 thru-hole
7.5 7.5,thru-hole
8.0 8.0,thru-hole
8.5 8.5 thru-hole
9.0 9.0,thru-hole
9.5 9.5,thru-hole
10.0 10.0 thru-hole
10.5 10.5,thru-hole
11.0 11.0,thru-hole
11.5 11.5 thru-hole
12.0 12.0,thru-hole
12.5 12.5,thru-hole

LFS Lead free compatible, silver plated
LFG Lead free compatible, gold plated

台普 ROCPU

Dimensions are shown: mm
Specifications and dimensions subject to change

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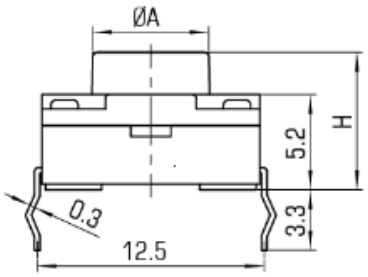
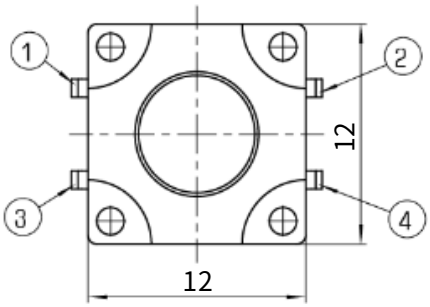
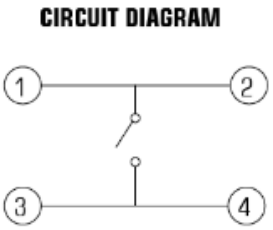
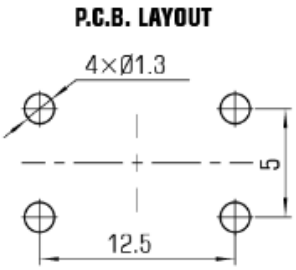
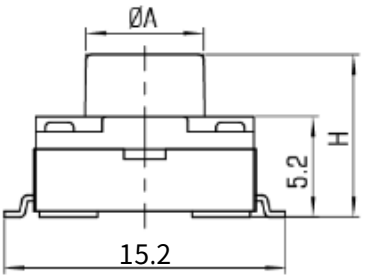
TPF12-1

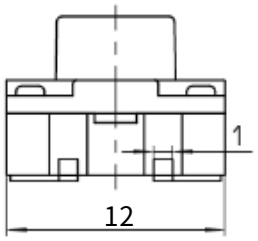


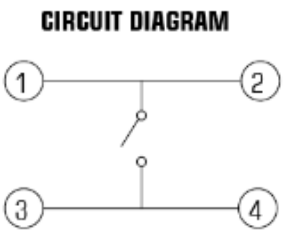


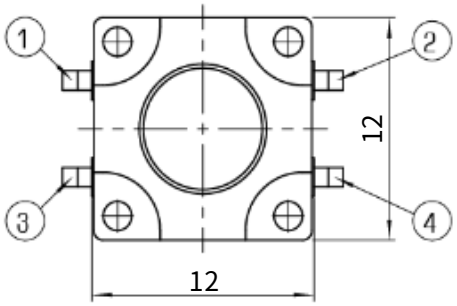


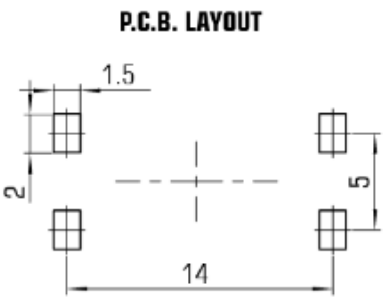












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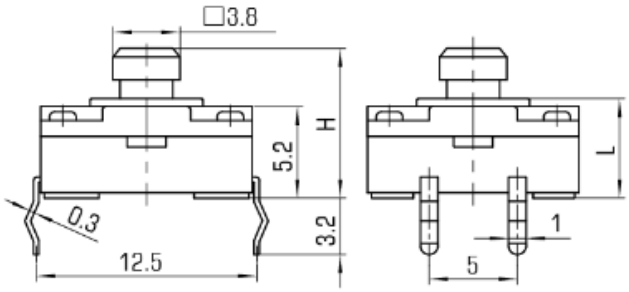
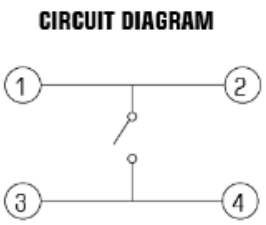
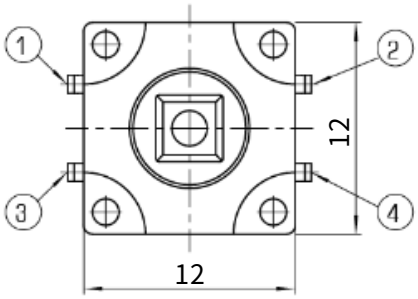
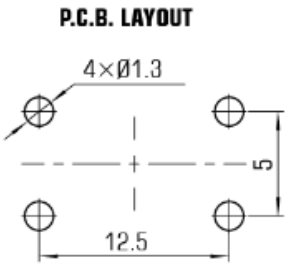
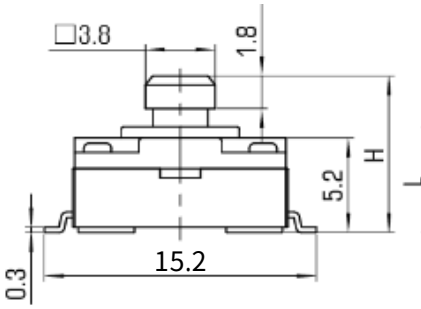
TPF12-3

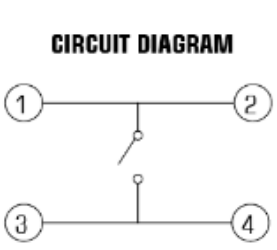












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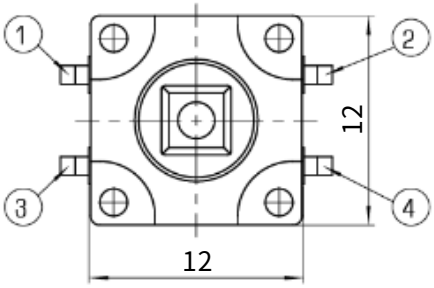

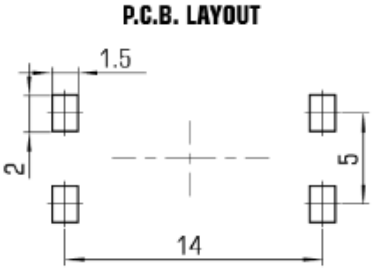

First Angle Projection

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