

### Features/Benefits

- 3.9 x 2.9 mm footprint
- Three different heights
- High number of cycles
- Reduced footprint

### Typical Applications

- Control panels
- Nomad devices
- Remote controls
- Keyless entry system



### Specifications

FUNCTION: momentary action

CONTACT ARRANGEMENT: 1 make contact = SPST N.O.

TERMINALS: J type for SMT

TRAVEL: 0.2mm + 0.1mm / -0.05 mm

|                       | Operating Force (gf) | Life Cycles | Height mm | Pegs |
|-----------------------|----------------------|-------------|-----------|------|
| PTS820 J25M SMTR LFS  | 160 ± 50             | 200,000     | 2.5       | No   |
| PTS820 J25K SMTR LFS  | 250 ± 50             | 100,000     | 2.5       | No   |
| PTS820 J25MP SMTR LFS | 160 ± 50             | 200,000     | 2.5       | Yes  |
| PTS820 J25KP SMTR LFS | 250 ± 50             | 100,000     | 2.5       | Yes  |
| PTS820 J20M SMTR LFS  | 160 ± 50             | 200,000     | 2.0       | No   |
| PTS820 J20K SMTR LFS  | 250 ± 50             | 100,000     | 2.0       | No   |
| PTS820 J20MP SMTR LFS | 160 ± 50             | 200,000     | 2.0       | Yes  |
| PTS820 J20KP SMTR LFS | 250 ± 50             | 100,000     | 2.0       | Yes  |
| PTS820 J15M SMTR LFS  | 160 ± 50             | 200,000     | 1.5       | No   |
| PTS820 J15K SMTR LFS  | 250 ± 50             | 100,000     | 1.5       | No   |
| PTS820 J15MP SMTR LFS | 160 ± 50             | 200,000     | 1.5       | Yes  |
| PTS820 J15KP SMTR LFS | 250 ± 50             | 100,000     | 1.5       | Yes  |

### Packaging

Switches in reels of 2,300 pieces for 2.5 mm height

Switches in reels of 2,500 pieces for 2.0 mm height

Switches in reels of 3,000 pieces for 1.5 mm height

Dimensions of reels according to EIA 481B

External diameter 330 mm

### Electrical

|                        |                |
|------------------------|----------------|
| MAXIMUM VOLTAGE:       | 12 VDC         |
| MAXIMUM CURRENT DC:    | 50 mA          |
| DIELECTRIC STRENGTH:   | 100 VA C (1mn) |
| CONTACT RESISTANCE:    | ≤ 100 mΩ       |
| INSULATION RESISTANCE: | ≥ 100 MΩ       |
| BOUNCE TIME:           | ≤ 10 ms        |

### Environmental

OPERATING TEMPERATURE: -40°C to 85°C

### Process

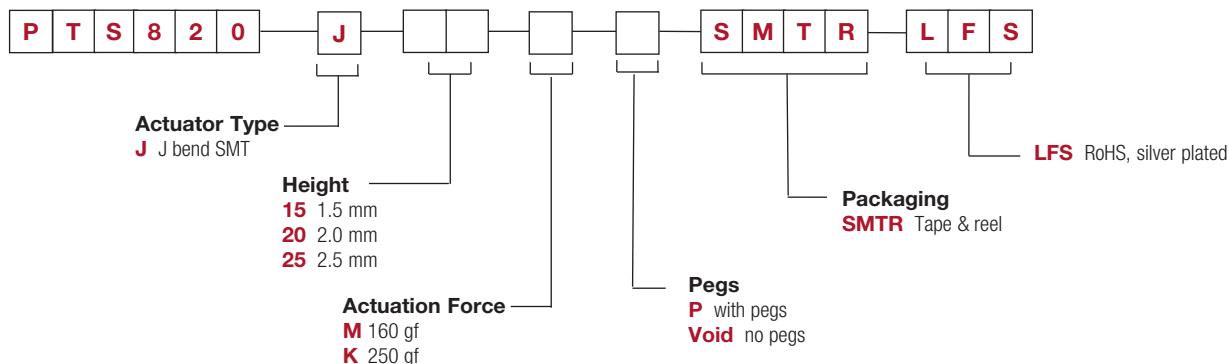
SOLDERING: This component is suited to the following methods:  
Infrared Reflow Soldering in accordance with IEC61760-1

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.

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



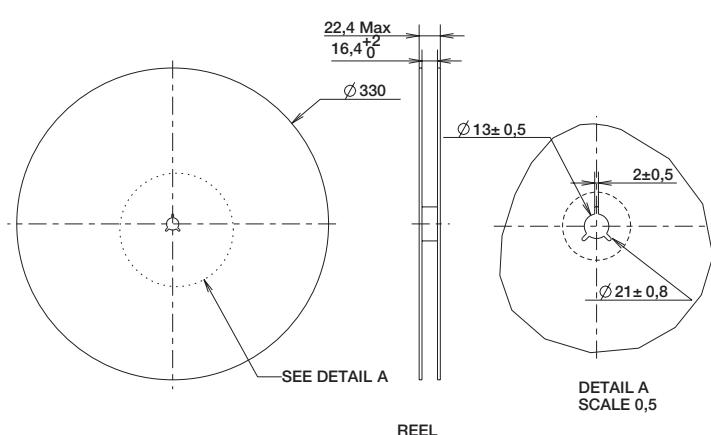
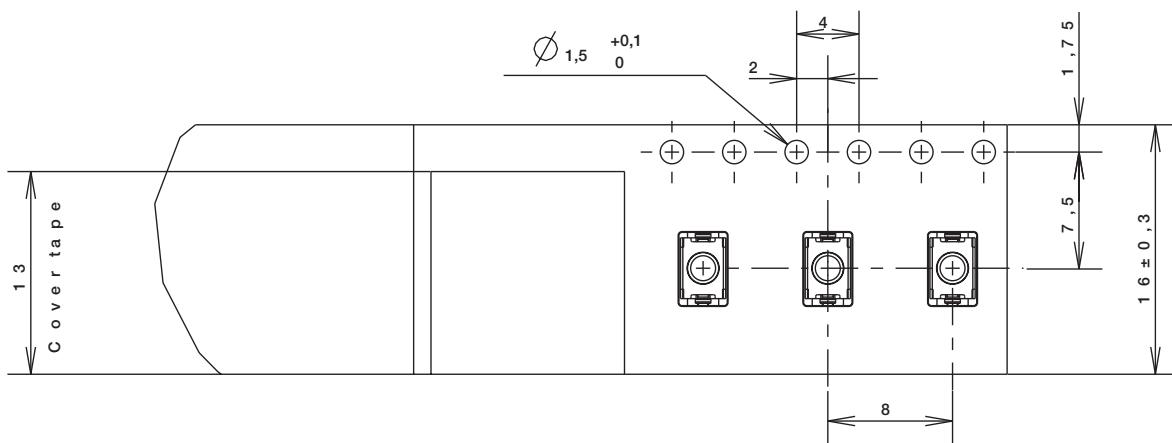
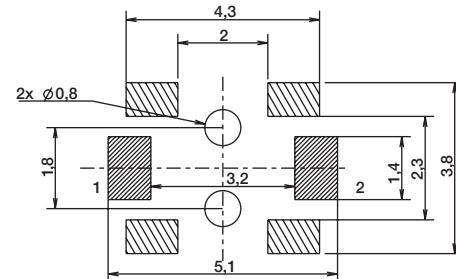
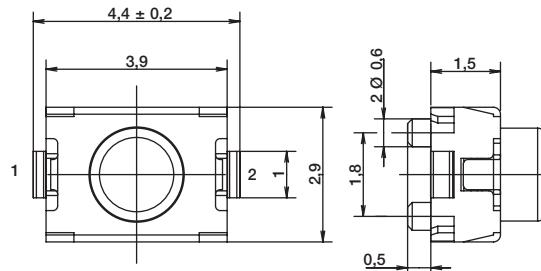
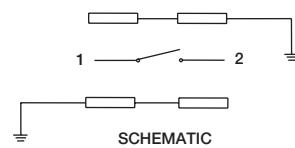
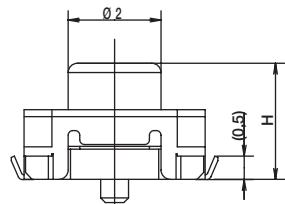
# PTS 820 Series

## Microminiature SMT Top Actuated

### Tactile Switches

B

2.5 & 2.0 mm height (H) - version shown here with pegs



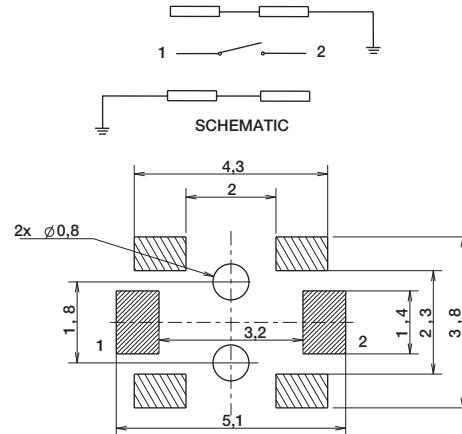
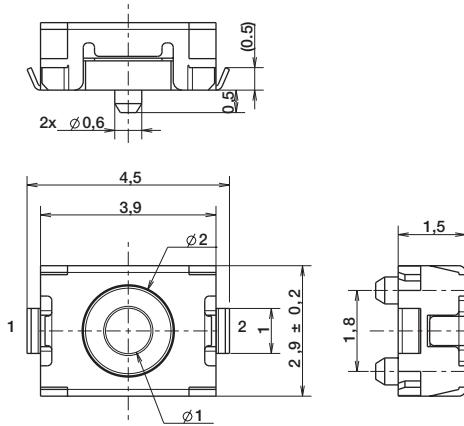
# PTS 820 Series Microminiature SMT Top Actuated

1.5 mm height (H) - version shown here with pegs

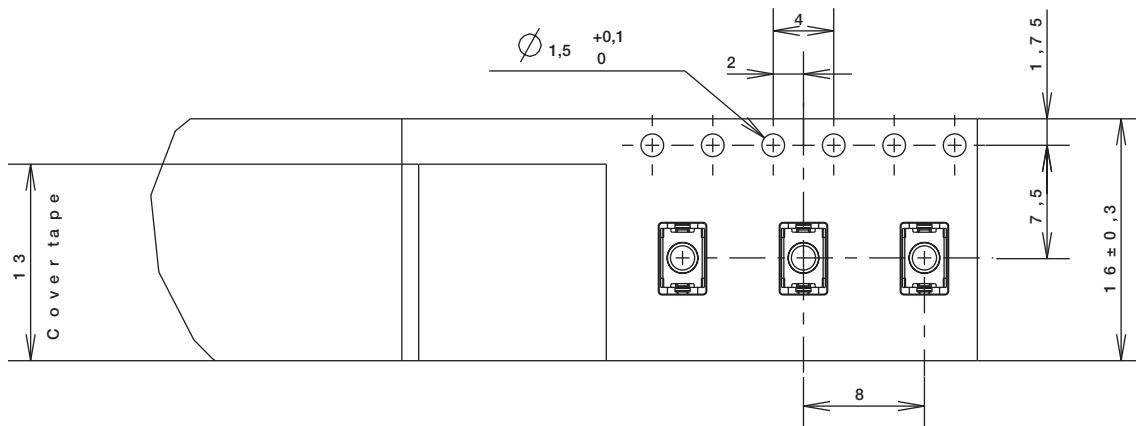


B

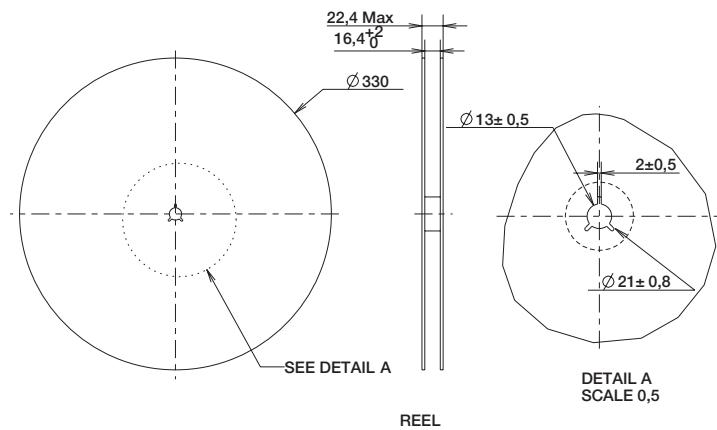
Tactile Switches



RECOMMENDED PCB LAYOUT



CARRIER TAPE



# Mouser Electronics

Authorized Distributor

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## C&K Switches:

[PTS820J25MSMTRLFS](#) [PTS820J20MPSMTRLFS](#) [PTS820J15KPSMTRLFS](#) [PTS820J15MSMTRLFS](#)

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