

# PTS820 Series Microminiature SMT Top Actuated

## 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

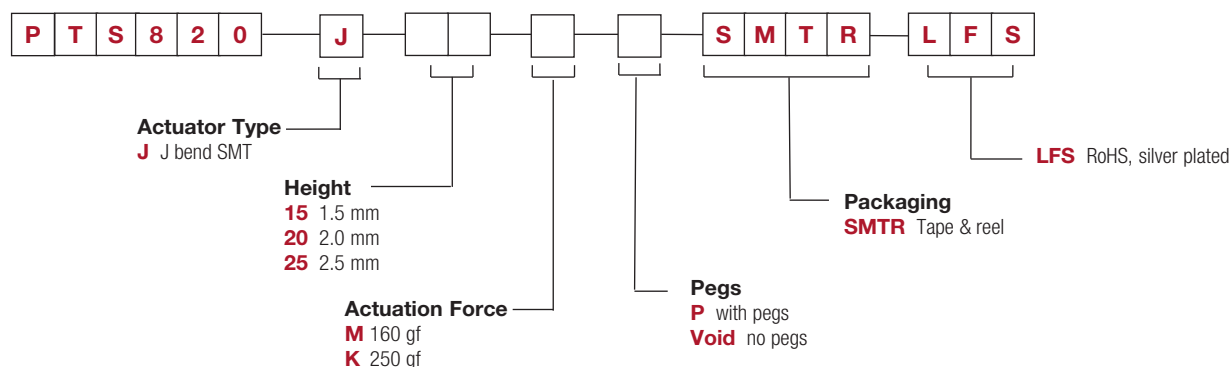
### NOTE:

- Specifications listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.
- 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 C&K representative to discuss your application and the best switch solution.

## 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.

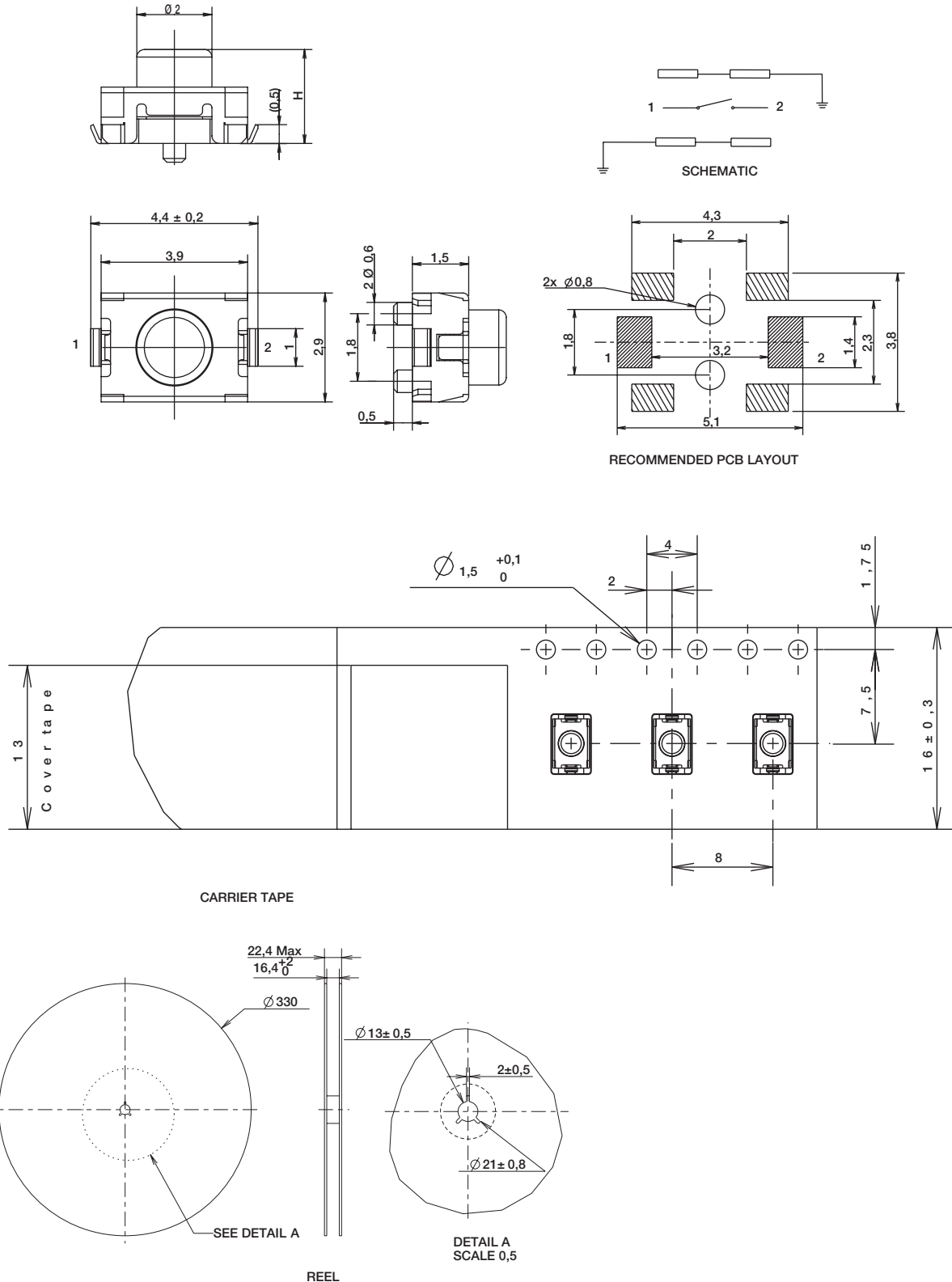


# PTS820 Series Microminiature SMT Top Actuated

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

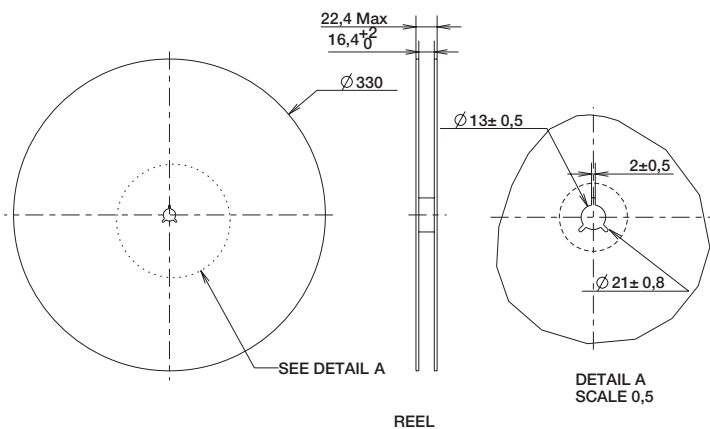
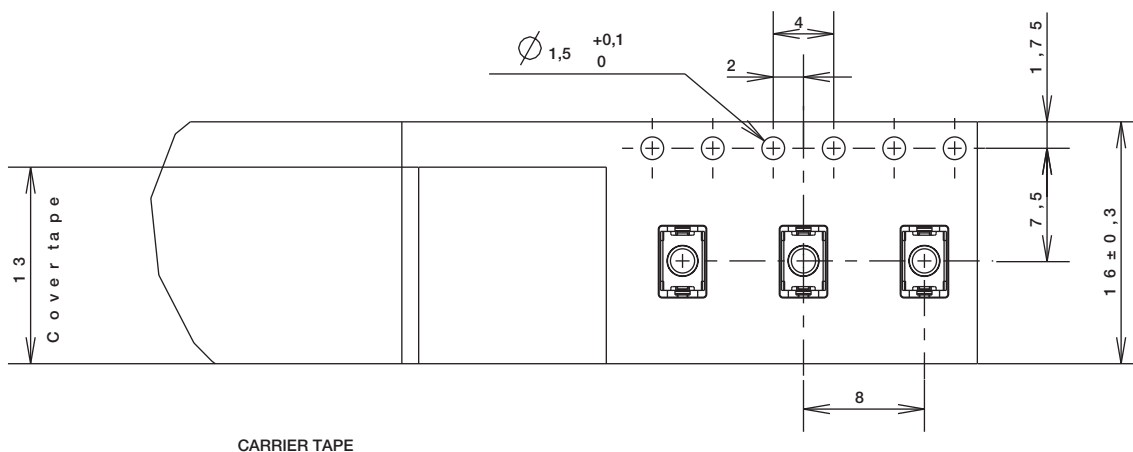
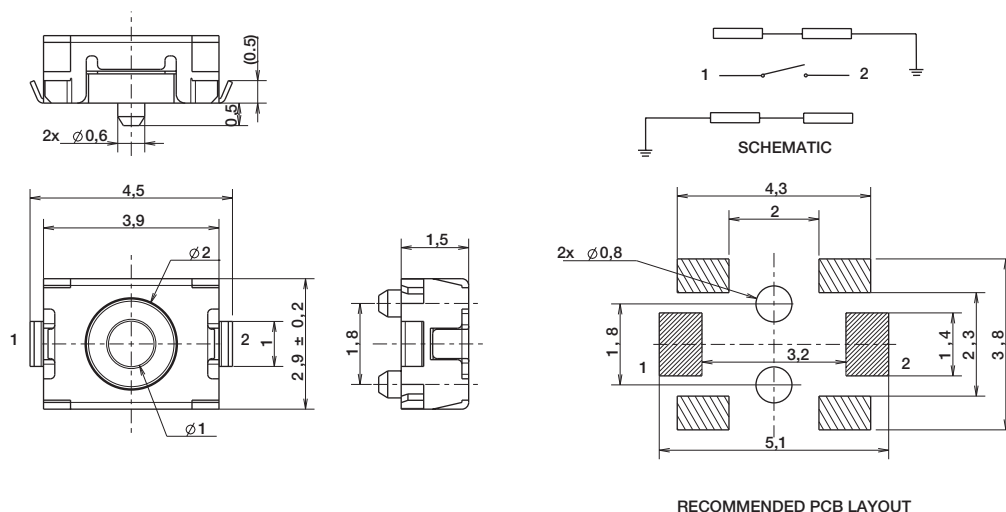
Tactile Switches

B



# PTS820 Series Microminiature SMT Top Actuated

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



# Mouser Electronics

Authorized Distributor

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## C&K Switches:

[PTS820J25MSMTRLFS](#) [PTS820J20MPSMTRLFS](#) [PTS820J15KPSMTRLFS](#) [PTS820J15MSMTRLFS](#)  
[PTS820J15MPSMTRLFS](#) [PTS820J20KSMTRLFS](#) [PTS820J25KSMTRLFS](#) [PTS820J15KSMTRLFS](#)  
[PTS820J20KPSMTRLFS](#) [PTS820J25KPSMTRLFS](#) [PTS820J20MSMTRLFS](#) [PTS820J25MPSMTRLFS](#)