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 2,500 pieces for 1.5 and 2.0 mm height
Switches in reels of 2,300 pieces for 2.5 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

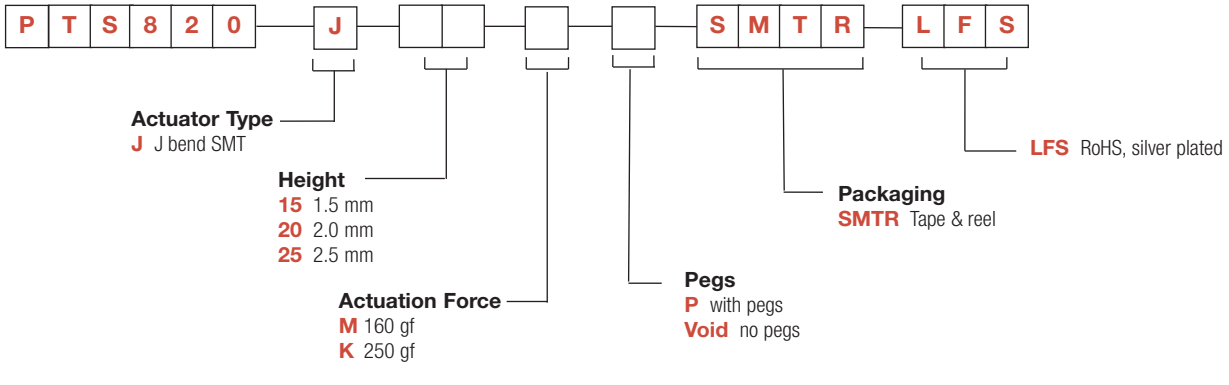
SOLDERING: This component is suited to the following methods:
Infrared Reflow Soldering in accordance with IEC61760-1

NOTE: Specifications listed above are for switches with standard options.
For information on specific and custom switches, consult Customer Service Center.

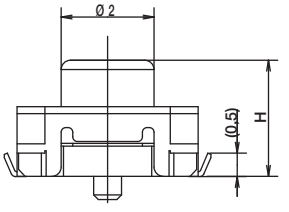
How To Order

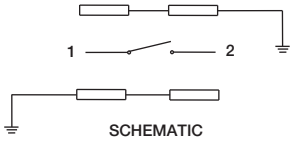
Our easy build-a-switch concept allows you to mix and match options to create the switch you need. To order, select desired option from each category and place it in the appropriate box.

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

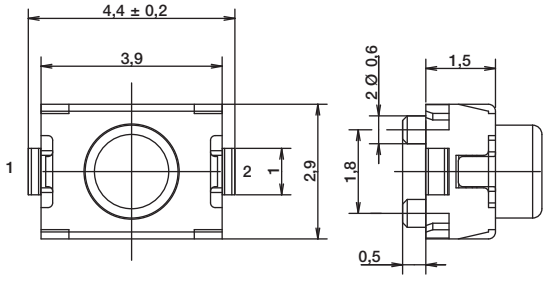


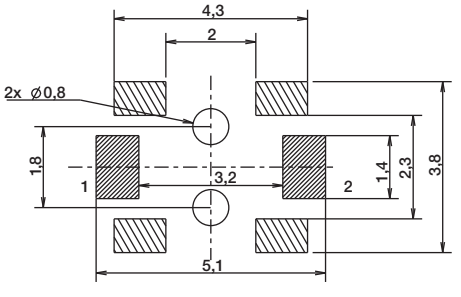
2.5 & 2.0 mm height (H) - version shown here with pegs



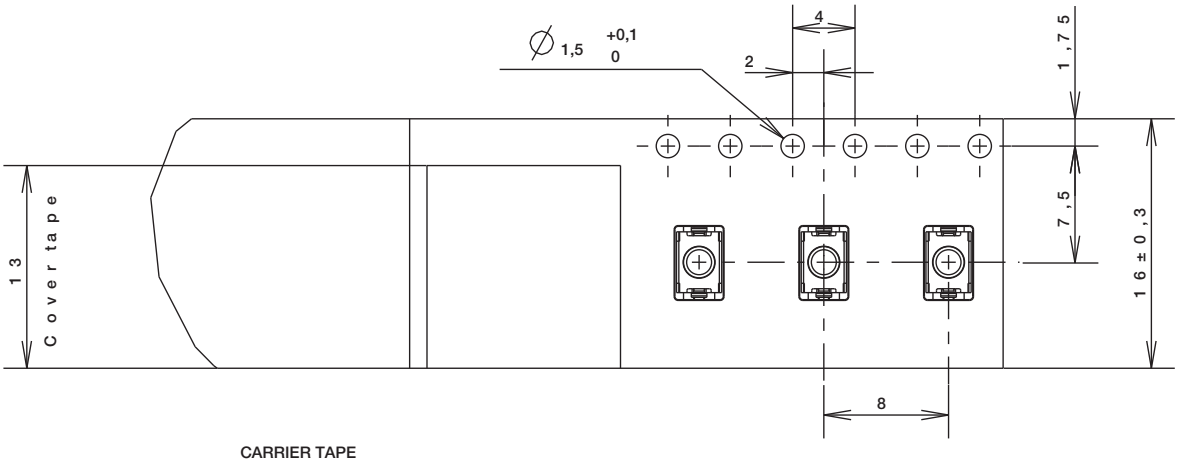


SCHEMATIC

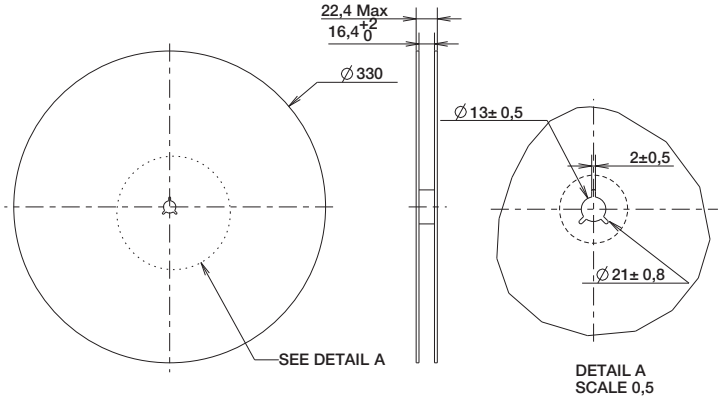




RECOMMENDED PCB LAYOUT



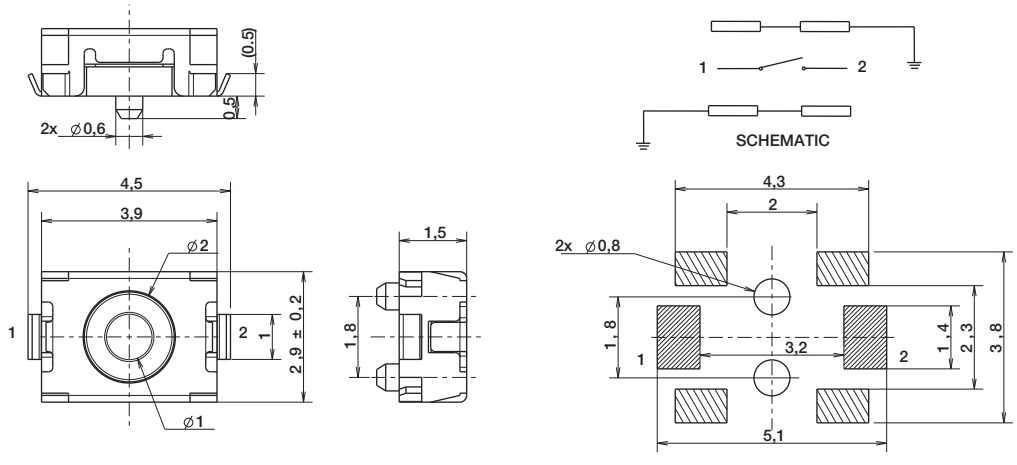
CARRIER TAPE



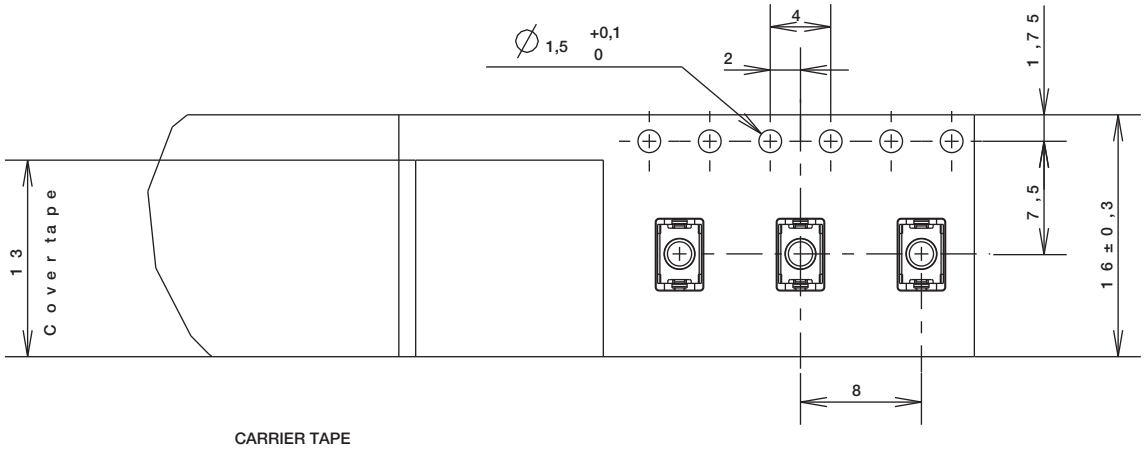
DETAIL A
SCALE 0,5

REEL

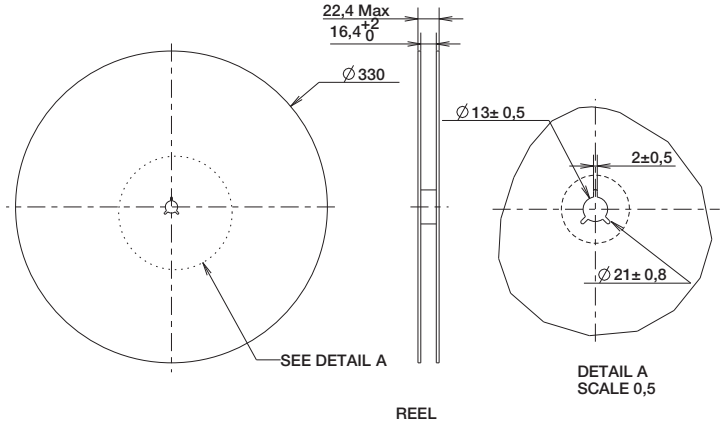
1.5 mm height (H) - version shown here with pegs



RECOMMENDED PCB LAYOUT



CARRIER TAPE



DETAIL A
SCALE 0,5

REEL

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

C&K Components:

PTS820 J20MP SMTR LFS PTS820 J25KP SMTR LFS PTS820 J15K SMTR LFS PTS820 J25K SMTR LFS PTS820 J20M SMTR LFS PTS820 J20KP SMTR LFS PTS820 J20K SMTR LFS PTS820 J15KP SMTR LFS PTS820 J15M SMTR LFS PTS820 J25M SMTR LFS PTS820 J15MP SMTR LFS PTS820 J25MP SMTR LFS