# PTS 525 Series
# Microminiature Tact Switch for SMT

## *Features/Benefits*

- ***0.8 & 1.5 mm actuator height***
- ***Ruggedized package in a compact size***
- ***High number of cycles***

## *Typical Applications*

- ***Consumer products***
- ***Instrumentation***
- ***Remote controls***







## Specification

FUNCTION: Momentary action
CONTACT ARRANGEMENT: 1 make contact = SPST, N.O.

## Electrical

| | |
|---|---|
| MAXIMUM VOLTAGE: | 15 VDC |
| MAXIMUM CURRENT DC: | 20 mA |
| DIELECTRIC STRENGTH: | 250 VA C (1mn) |
| CONTACT RESISTANCE: | ≤ 100 mΩ |
| INSULATION RESISTANCE: | ≥ 100 MΩ |
| BOUNCE TIME: | ≤ 10 ms |

## Environmental

OPERATING TEMPERATURE: -20˚C to 70˚C

## Process

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

## Packaging

Switches in reels of:
5,000 pieces in 0.8 mm height
4,000 pieces in 1.5 mm height
Dimensions of reels according to EIA 481B
External diameter 330 mm

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

## How To Order

Please see chart below for full part numbers.

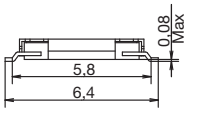
| Part Number | Height (mm) | Leads Shape | Ground Pin | Force | Travel (mm) | Operating Life |
|---|---|---|---|---|---|---|
| PTS525 SM08 SMTR 2 LFS | 0.8 | G | No | 160 gf ± 50 gf | 0.25 ± 0.2 | 1,000,000 |
| PTS525 SK08 SMTR 2 LFS | 0.8 | G | No | 260 gf ± 50 gf | 0.25 ± 0.2 | 200,000 |
| PTS525 SM15 SMTR 2 LFS | 1.5 | G | No | 160 gf ± 50 gf | 0.25 ± 0.2 | 1,000,000 |
| PTS525 SK15 SMTR 2 LFS | 1.5 | G | No | 260 gf ± 50 gf | 0.25 ± 0.2 | 500,000 |
| PTS525 SMG15 SMTR 2 LFS | 1.5 | G | Yes | 160 gf ± 50 gf | 0.25 ± 0.2 | 1,000,000 |
| PTS525 SKG15 SMTR 2 LFS | 1.5 | G | Yes | 260 gf ± 50 gf | 0.25 ± 0.2 | 500,000 |
| PTS525 SMG15J SMTR 2 LFS | 1.5 | J | Yes | 160 gf ± 50 gf | 0.25 ± 0.2 | 1,000,000 |
| PTS525 SKG15J SMTR 2 LFS | 1.5 | J | Yes | 260 gf ± 50 gf | 0.25 ± 0.2 | 500,000 |

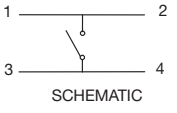
First Angle Projection

*Dimensions are shown: mm*
*Specifications and dimensions subject to change*

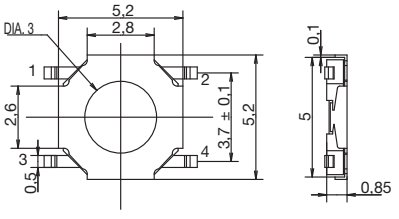
# PTS 525 Series
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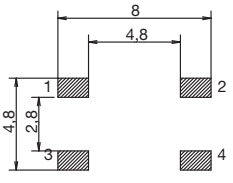
## PTS525 SM08 SMTR2 LFS
## PTS525 SK08 SMTR2 LFS



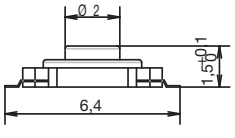

SCHEMATIC

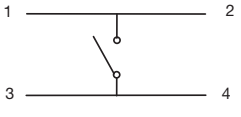


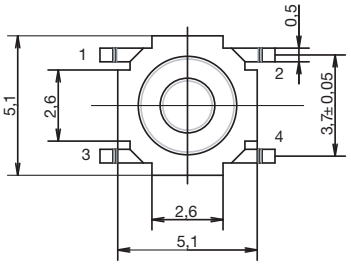

RECOMMENDED PCB LAYOUT

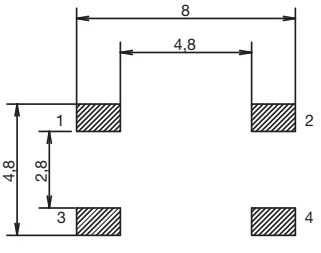
## PTS525 SM15 SMTR2 LFS
## PTS525 SK15 SMTR2 LFS



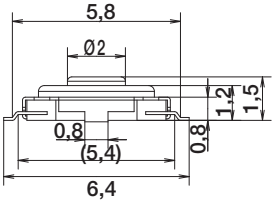

SCHEMATIC

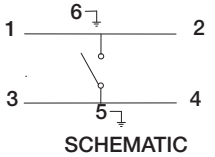


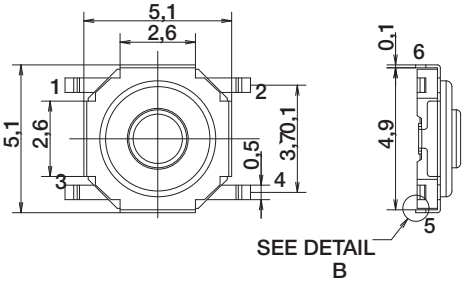

RECOMMENDED PCB LAYOUT

## PTS525 SMG15 SMTR2 LFS
## PTS525 SKG15 SMTR2 LFS



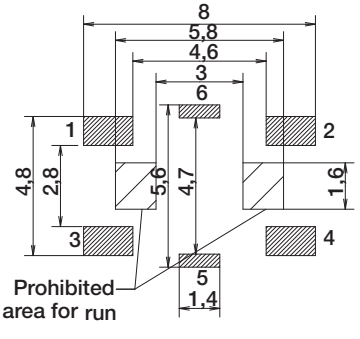

SCHEMATIC







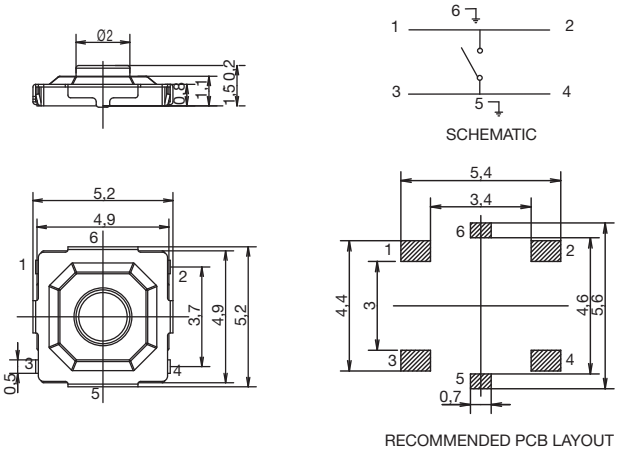
DETAIL B
SCALE
20




RECOMMENDED PCB LAYOUT

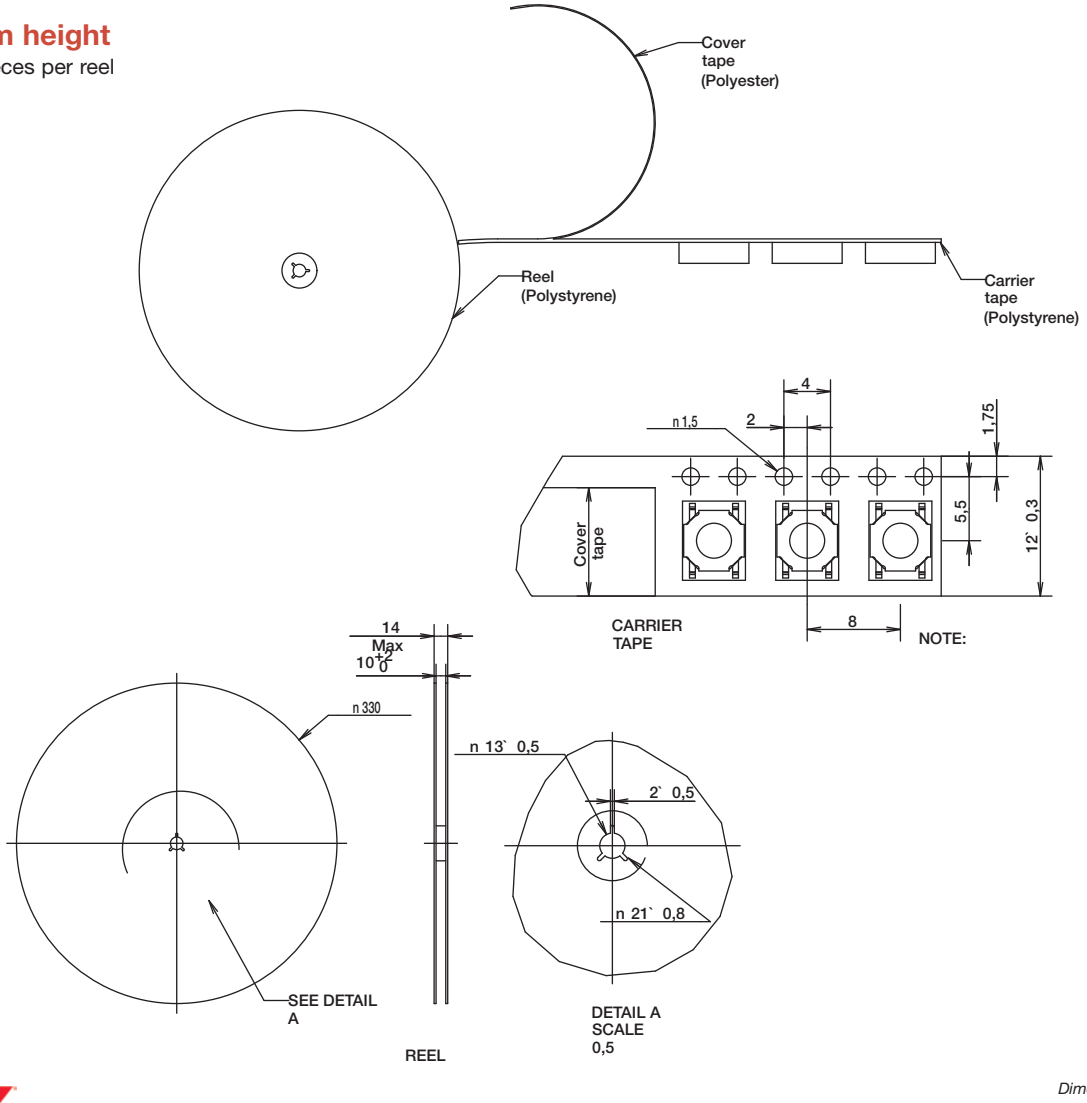
*Dimensions are shown: mm*
*Specifications and dimensions subject to change*

## PTS525 SMG15J SMTR2 LFS
## PTS525 SKG15J SMTR2 LFS




## TAPE & REEL

### 0.8 mm height
5,000 pieces per reel

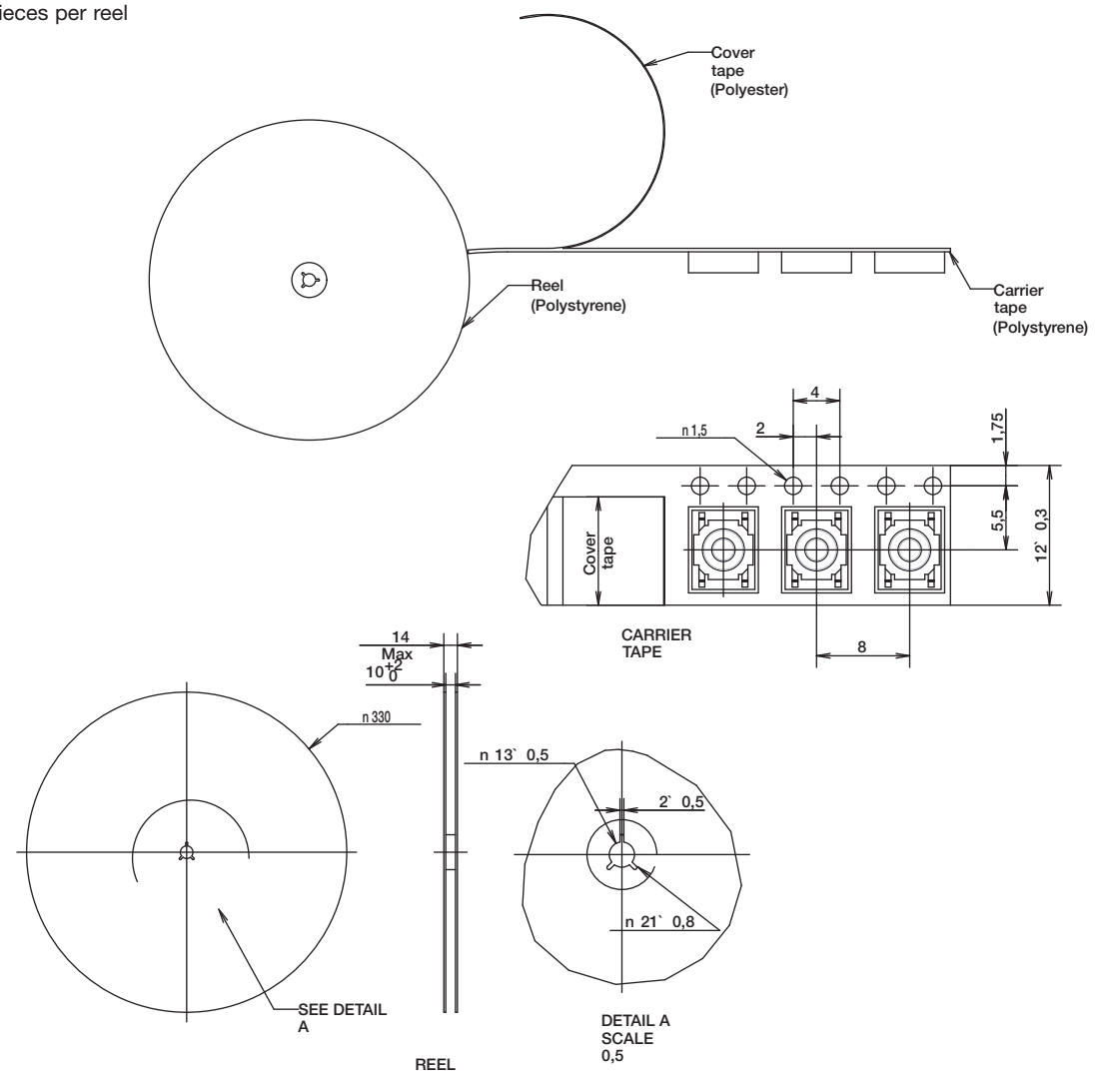


## TAPE & REEL



### 1.5 mm height

4,000 pieces per reel




First Angle Projection

*Dimensions are shown: mm*
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