# PTS 840 Series
# Microminiature SMT Side Actuated

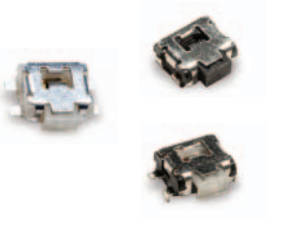
NEW!

## Features/Benefits

- *3.5 x 3.55 mm footprint*
- *Front PIP leads option for strong shear resistance*
- *ESD pin option*
- *Reduced footprint*

## Typical Applications

- *Nomad devices*
- *Remote controls*
- *Personal health diagnostics*
- *Consumer electronics*



## Specifications

FUNCTION: momentary action
CONTACT ARRANGEMENT: 1 make contact = SPST N.O.
TERMINALS: G and front PIP types for SMT
TRAVEL: 0.2mm + 0.2mm / -0.1 mm
LIFE: 100,000 cycles

| Type<br>**without ground pin** | Operating Force (gf) | SMT Leads | Pegs |
|---|---|---|---|
| PTS840 GM SMTR LFS | 160 -40/+70 | G leads | No |
| PTS840 GK SMTR LFS | 220 -70/+80 | G leads | No |
| PTS840 PM SMTR LFS | 160 -40/+70 | P leads | No |
| PTS840 PK SMTR LFS | 220 -70/+80 | P leads | No |
| PTS840 GMP SMTR LFS | 160 -40/+70 | G leads | Yes |
| PTS840 GKP SMTR LFS | 220 -70/+80 | G leads | Yes |
| **with ground pin** | | | |
| PTS840 ESDGM SMTR LFS | 160 -40/+70 | G leads | No |
| PTS840 ESDGK SMTR LFS | 220 -70/+80 | G leads | No |
| PTS840 ESDPM SMTR LFS | 160 -40/+70 | P leads | No |
| PTS840 ESDPK SMTR LFS | 220 -70/+80 | P leads | No |
| PTS840 ESDGMP SMTR LFS | 160 -40/+70 | G leads | Yes |
| PTS840 ESDGKP SMTR LFS | 220 -70/+80 | G leads | Yes |

## Electrical

| | |
|---|---|
| MAXIMUM VOLTAGE: | 12 VDC |
| MAXIMUM CURRENT DC: | 50 mA |
| DIELECTRIC STRENGTH: | 250 VA C (1mn) |
| CONTACT RESISTANCE: | ≤ 500 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

## Packaging

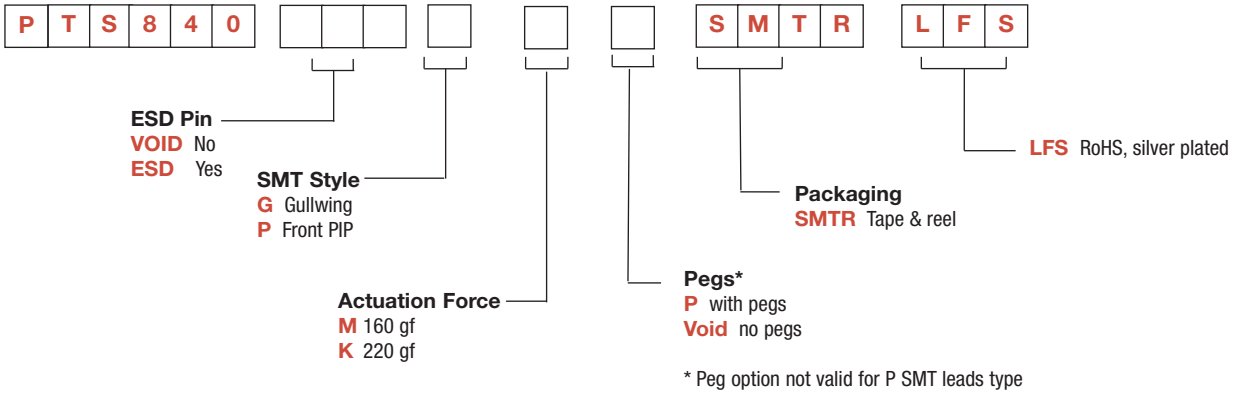
In reels of 3,500 pieces
Dimensions of reels according to EIA 481B
External diameter 330 mm

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

## How To Order

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.**

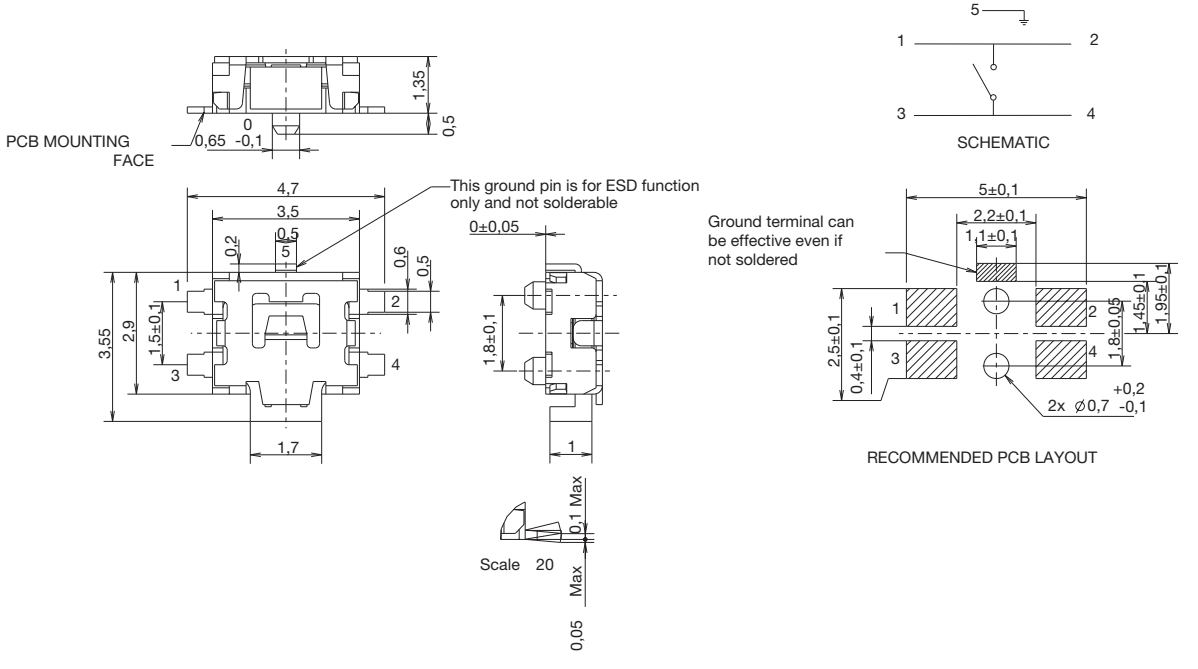



* Peg option not valid for P SMT leads type

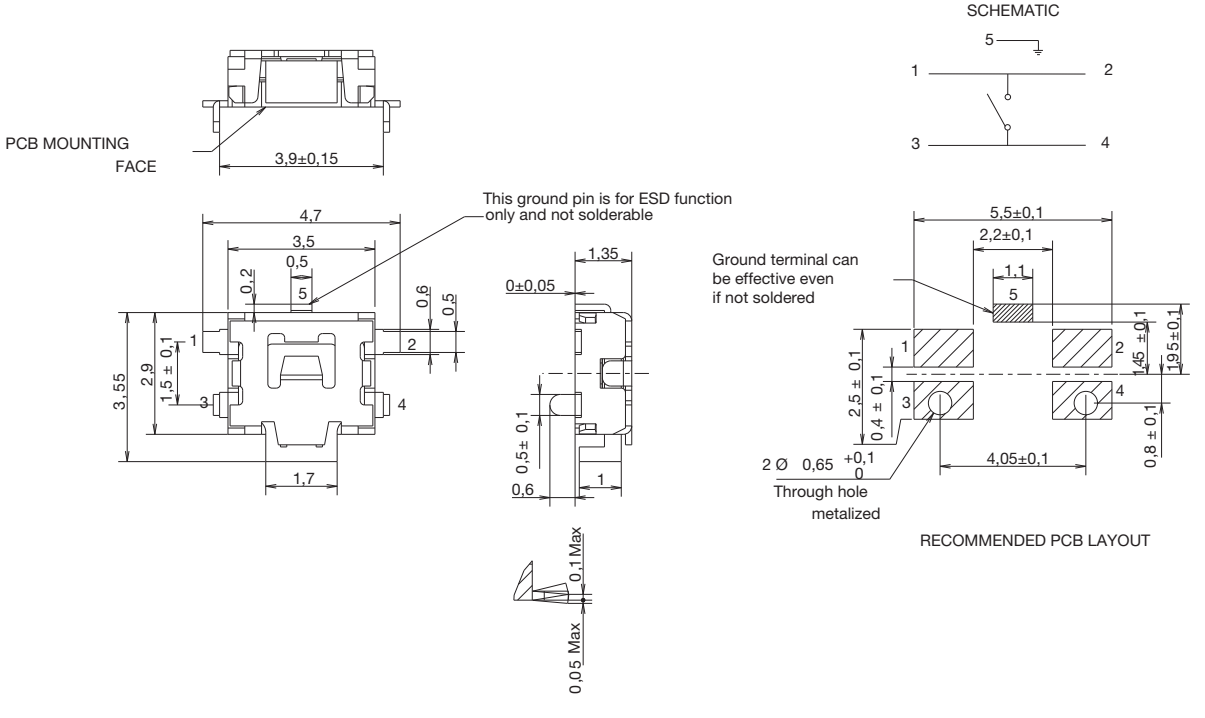
Design Recommendations

- "P" leads are recommended for applications where shear resistance is of importance
- When a precise alignment between application button and the switch is requested, version with pegs are the right choice to limit the possible floating of the switch during solderability.

## Standard G SMT Leads with ESD and Peg options



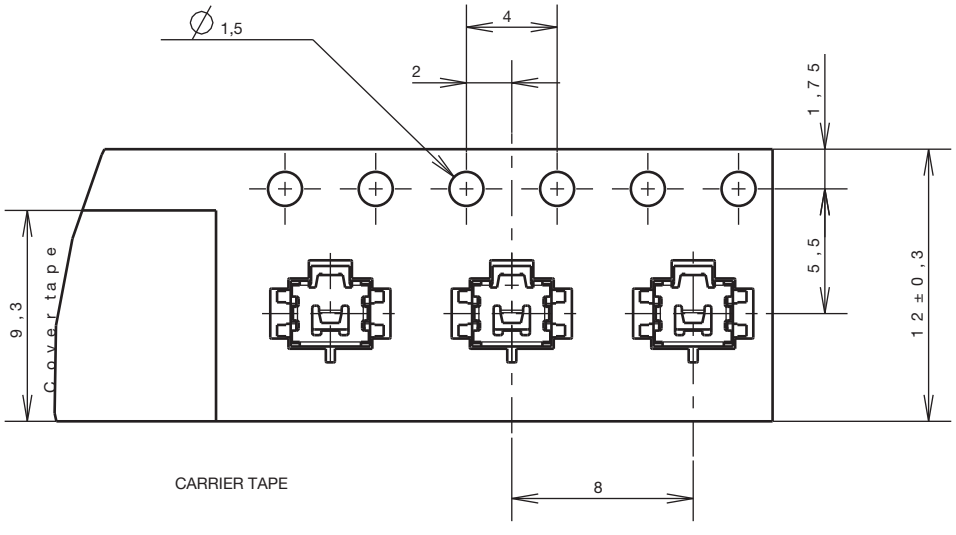

## P SMT Leads with ESD option



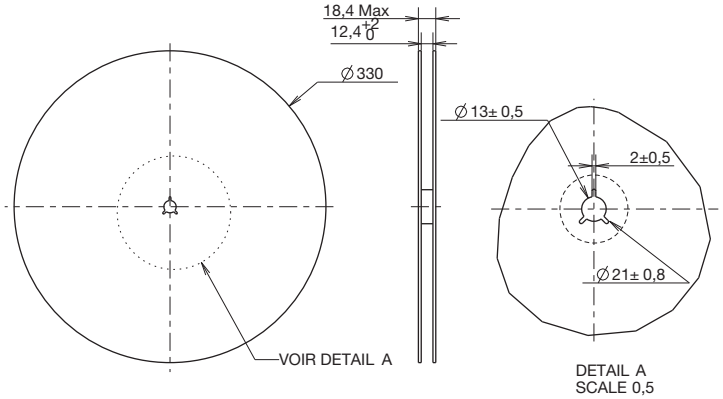
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NEW!

## TAPE & REEL




CARRIER TAPE




DETAIL A
SCALE 0,5

REEL

# Mouser Electronics

Authorized Distributor

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

C&K Components:

PTS840 ESD GMP SMTR LFS PTS840 JMP SMTR LFS PTS840 ESD JM SMTR LFS PTS840 PM SMTR LFS PTS840 ESD PM SMTR LFS PTS840 GK SMTR LFS PTS840 ESD PK SMTR LFS PTS840 JK SMTR LFS PTS840 JM SMTR LFS PTS840 ESD JKP SMTR LFS PTS840 JKP SMTR LFS PTS840 ESD GM SMTR LFS PTS840 GMP SMTR LFS PTS840 PK SMTR LFS PTS840 ESD GKP SMTR LFS PTS840 GKP SMTR LFS PTS840 ESD JK SMTR LFS PTS840 ESD JMP SMTR LFS PTS840 ESD GK SMTR LFS PTS840 GM SMTR LFS