PTS 840 Series
Microminiature SMT Side Actuated

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: J, G and front PIP types for SMT
TRAVEL: 0.2mm + 0.2mm / -0.1 mm
LIFE: 100,000 cycles

<table>
<thead>
<tr>
<th>Type without ground pin</th>
<th>Operating Force (gf)</th>
<th>Leads</th>
<th>Pegs</th>
</tr>
</thead>
<tbody>
<tr>
<td>PTS840 GM SMTR LFS</td>
<td>160 -40/+70</td>
<td>G leads</td>
<td>No</td>
</tr>
<tr>
<td>PTS840 GK SMTR LFS</td>
<td>220 -70/+80</td>
<td>G leads</td>
<td>No</td>
</tr>
<tr>
<td>PTS840 JM SMTR LFS</td>
<td>160 -40/+70</td>
<td>J leads</td>
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</tr>
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</tr>
<tr>
<td>PTS840 PM SMTR LFS</td>
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<td>P leads</td>
<td>No</td>
</tr>
<tr>
<td>PTS840 PK SMTR LFS</td>
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</tr>
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<td>PTS840 ESDJM SMTR LFS</td>
<td>160 -40/+70</td>
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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.

Design Recommendations
- "J" leads need to be soldered with 0.1mm solder paste thickness. Below this value, shock resistance will be decreased. A “G” lead version could easily replace it.
- "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.

Dimensions are shown: mm
Specifications and dimensions subject to change
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Standard J and G SMT Leads with ESD and Peg options

P SMT Leads with ESD option

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TAPE & REEL

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