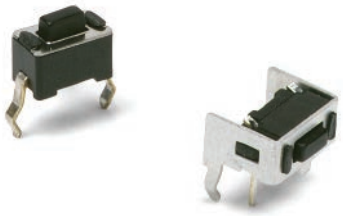
TPS635 Series
3,5 mm Tact Switches

Features/Benefits

- ***Compact size 6 x 3.5 mm***
- ***Variety of switch heights***
- ***Choice of actuation force***
- ***RoHS compliant and compatible***

Typical Applications

- ***Consumer products***
- ***Instrumentation***
- ***Computer products***
- ***Industrial***



Specification

FUNCTION: Momentary action
CONTACT ARRANGEMENT: SPST, N.O.
TERMINALS: PC pins

Mechanical

ACTUATION FORCE: PTS635L models: 130 grams.
PTS635H models: 200 grams.
LIFE EXPECTANCY: 20,000 operations.

Electrical

CONTACT RATING: 50 mA @ 12 V DC.
DIELECTRIC STRENGTH: 250 V AC min.
CONTACT RESISTANCE: 100 mΩ max. initial.
INSULATION RESISTANCE: 10^{11}Ω min.

Environmental

OPERATING TEMPERATURE: -40˚C to 60˚C

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

Process

SOLDERING: Preheating to 100˚C for 45 sec. max. Keep flux flush with top surface of PCB; do not apply to component side of PCB and area where terminals are located. Soldering to 255˚C for 5 sec. max. Clean by brushing on solder surface. Do not clean switch with solvents.

Materials

BASE: 6/6 nylon or glass filled polyester (PBT) (UL 94V-0).
ACTUATOR: 6/6 nylon or polyacetal (UL 94HB).
COVER PLATE: PTS635S and PTS635V models: Tin plated stainless steel
DOME CONTACTS: Phosphor bronze, silver clad.
STATIONARY CONTACTS: Brass, silver plated.
TERMINALS: Brass, silver plated. Insert molded.

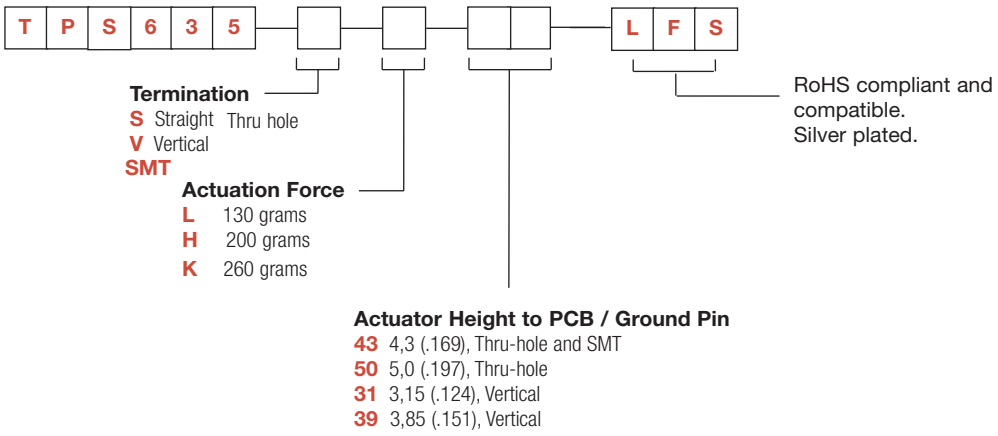
Packaging

Bulk packaging.

Tape & reel for:
TPS635Sx43SMTR, 1700 pcs per reel

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.



* SMT only available with PTS635 43 Actuator Height options.

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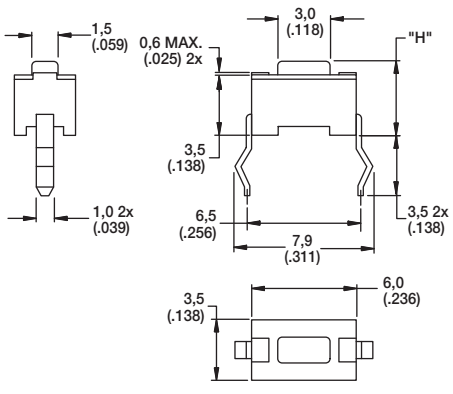
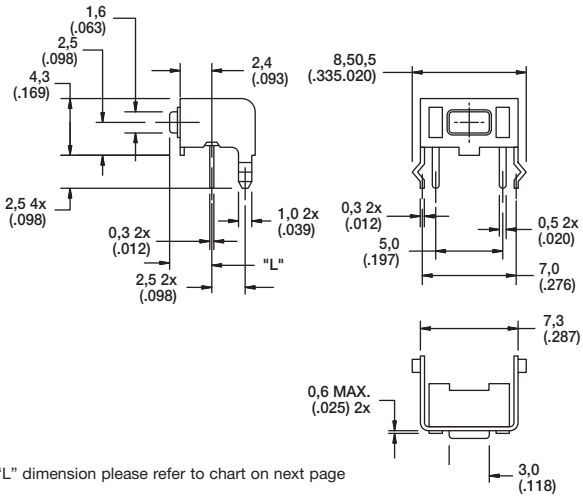
SERIES

TPS635



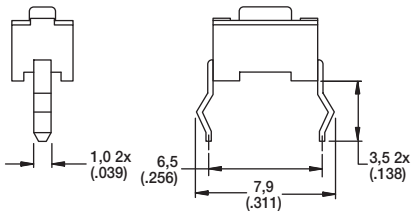
For “H” dimension please refer to chart on next page



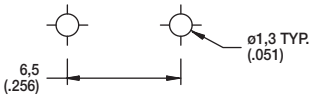
For “L” dimension please refer to chart on next page

TERMINATION

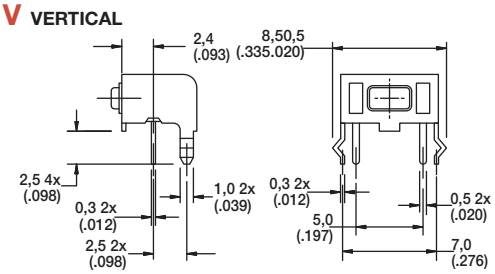
S STRAIGHT



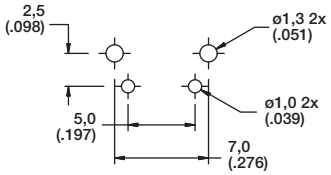
PCB LAYOUT



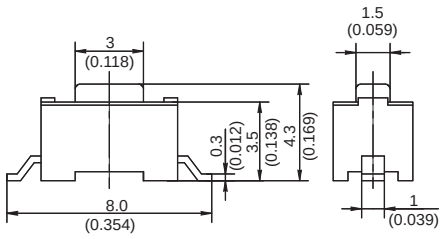
V VERTICAL



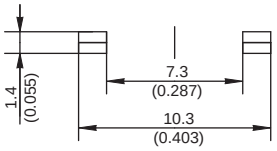
PCB LAYOUT



SMT 43



PCB LAYOUT



台普 ROCPU

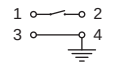
First Angle Projection

Dimensions are shown: mm (inches)
Specifications and dimensions subject to change

ACTUATION FORCE

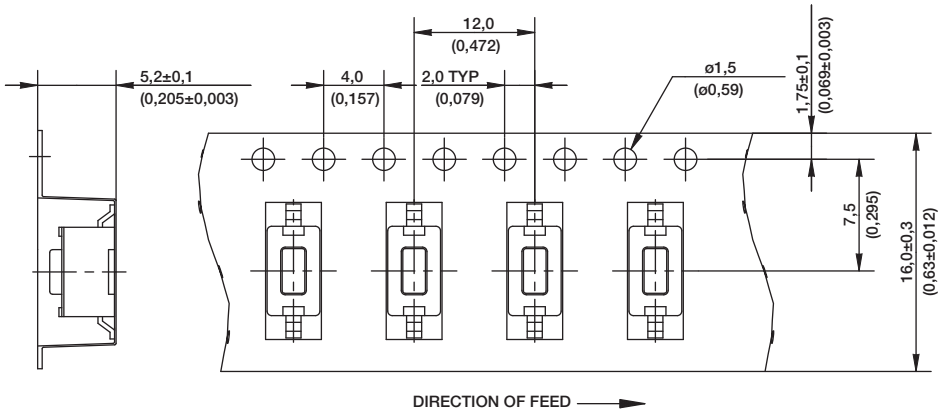
OPTION CODE	FORCE
L	130 grams
H	200 grams
K	260 grams

ACTUATOR HEIGHT

OPTION CODE	HEIGHT "H" or LENGTH "L"	TERMINATION	SCHEMATIC
43	4,3 (.169)	Thru-hole & SMT	
50	5,0 (.197)	Thru-hole	
31	3,15 (.124)	Vertical	
39	3,85 (.151)	Vertical	

INSERTION TYPE

SMTR 43



First Angle Projection

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