PTS635 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:
PTS635Sx43SMTR, 1700 pcs per reel
PTS635Sx25SMTR, 3000 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.

P T S 6 3 5 [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] L F S

Termination
S Thru-hole
V Vertical

Actuation Force
L 130 grams
H 200 grams
K** 260 grams

Actuator Height to PCB / Ground Pin
25 2,5 (.098), SMT
43 4,3 (.169), Thru-hole and SMT
50 5,0 (.197), Thru-hole
31 3,15 (.124), Vertical
39 3,85 (.151), Vertical

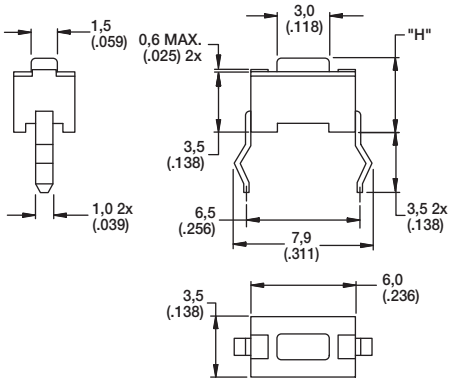
Insertion Type*
NONE Thru hole
SMTR Surface mount, tape & reel

RoHS compliant and compatible.
Silver plated.

* SM and SMTR only available with PTS635 43 and 25 actuator options.
** Only for the PTS635Sx25SMTR.

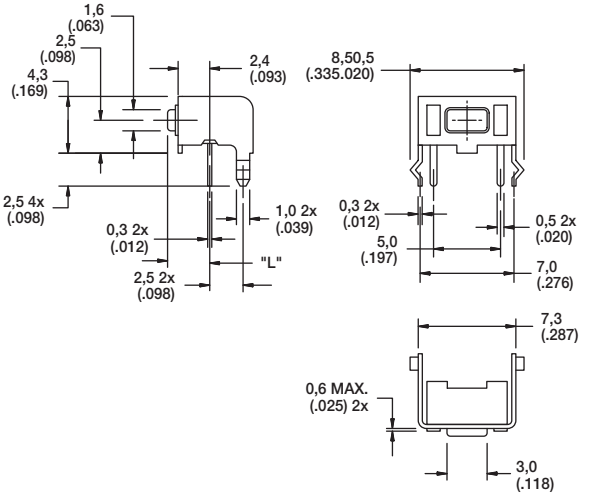
SERIES

PTS635



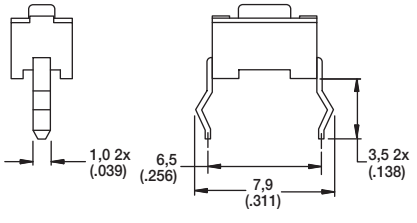


PTS635S Model

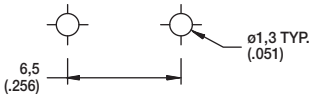


TERMINATION

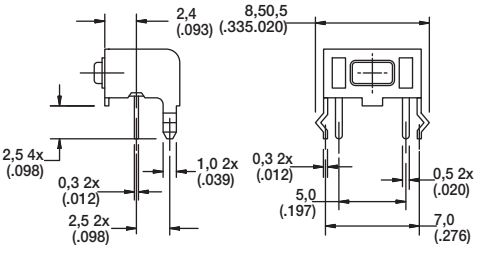
S THRU-HOLE



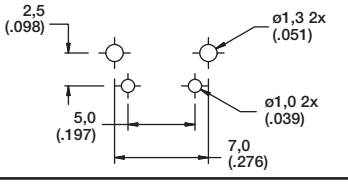
PCB LAYOUT



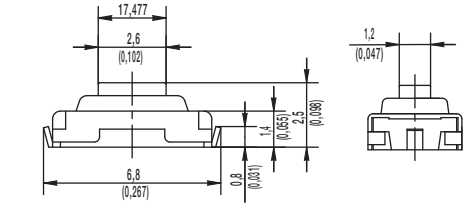
V VERTICAL

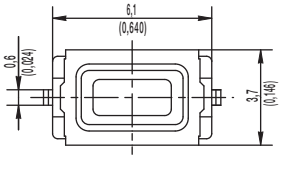


PCB LAYOUT

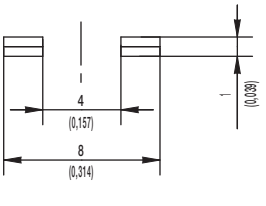


SMT 25

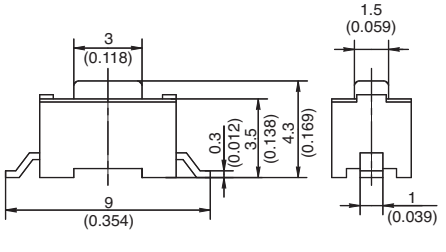




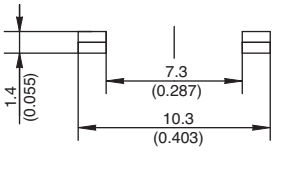
PCB LAYOUT



SMT 43



PCB LAYOUT



First Angle Projection

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

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ACTUATION FORCE

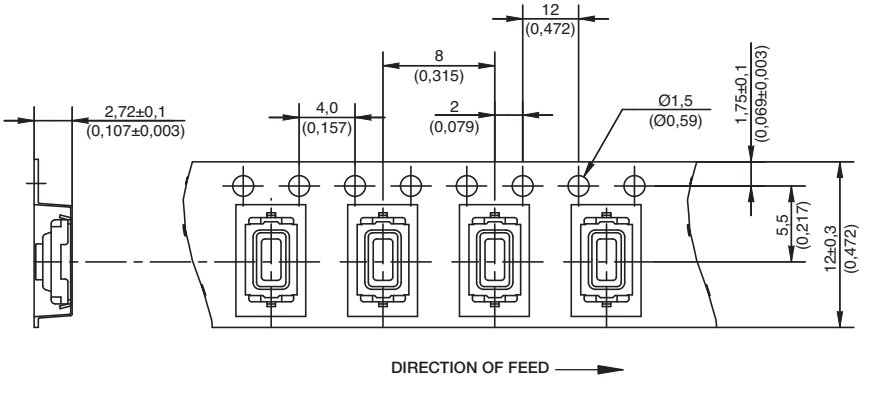
OPTION CODE	FORCE
L	130 grams
H	200 grams

ACTUATOR HEIGHT

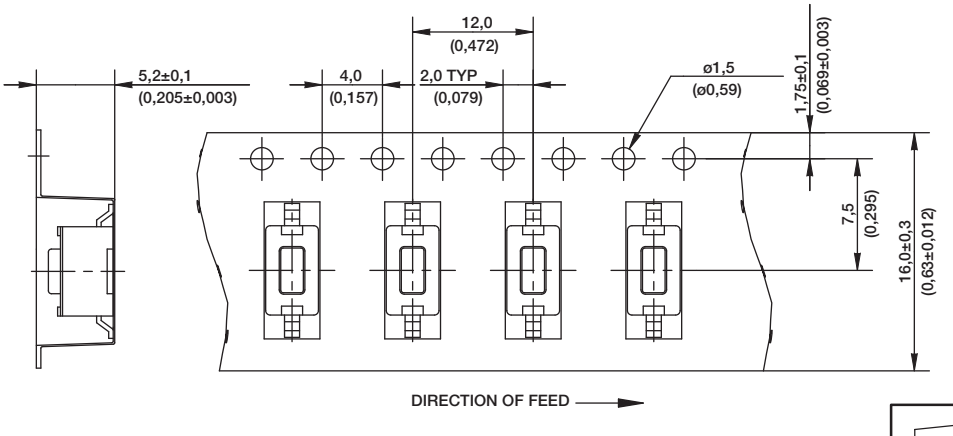
OPTION CODE	HEIGHT "H" or LENGTH "L"	TERMINATION	SCHEMATIC
43 50	4,3 (.169) 5,0 (.197)	Thru-hole Thru-hole	1 2
31 39	3,15 (.124) 3,85 (.151)	Vertical Vertical	1 2 3 4

INSERTION TYPE

SMT 25



SMT 43



First Angle Projection

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