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 m Ω max. initial. INSULATION RESISTANCE: 10" 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: Tin plated stainless steel DOME CONTACTS: Phosphor bronze, silver clad. STATIONARY CONTACTS: Brass, silver plated. TERMINALS: Brass, silver plated. Insert molded.

Packaging

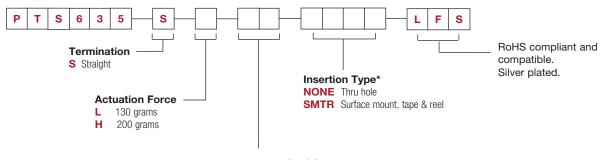
Bulk packaging.

Tape & reel for:

PTS635Sx43SMTR, 1700 pcs per reel

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.



Actuator Height to PCB / Ground Pin

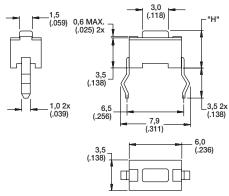
43 4,3 (.169), Thru-hole and SMT

50 5,0 (.197), Thru-hole

^{*} SMTR only available with PTS635 43 Actuator Height options.

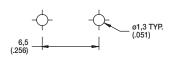


THRU-HOLE

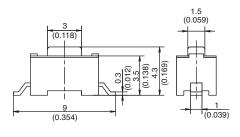


For "H" dimension please refer to chart on next page

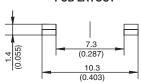
PCB LAYOUT



SMT



PCB LAYOUT



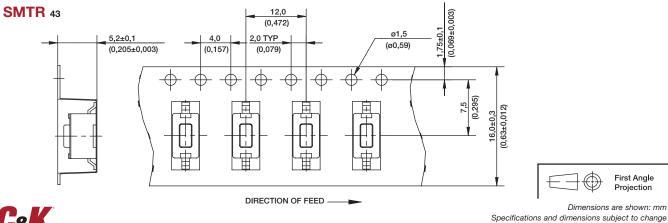
ACTUATION FORCE

OPTION CODE	FORCE
L	130 grams
н	200 grams

ACTUATOR HEIGHT

OPTION CODE	HEIGHT "H" or LENGTH "L"	TERMINATION	SCHEMATIC
43 50	4,3 (.169) 5,0 (.197)	Thru-hole & SMT Thru-hole	1 0

INSERTION TYPE



B-94

26 jan 17

