

Printed circuit miniature toggle switches

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Philmore PC mounting miniature switches are available in two bushing styles. When offered with a threaded bushing, hardware (nut and washers) is included and assembled. Smooth, non-threaded bushings are also offered and the buyer needs to watch for this distinction to be sure to get the correct style.

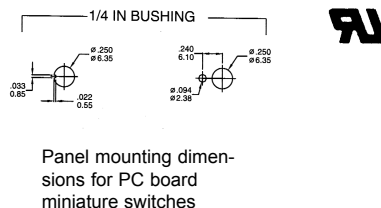
Philmore Printed Circuit board layout patterns include both conductor mounting holes and the mounting holes for mechanical supports which are an integral part of toggles and some of the other styles, where they are needed.

Printed Circuit-horizontal mounting Miniature TOGGLE SWITCHES

Right angle and horizontal mounting PC board switches with either a plain (smooth) bushing or with a threaded bushing and assembled hardware.

Coin silver contacts for current capacity; gold plated terminals.

Part No.	Circuit	Bushing
30-20004	SPDT ON-ON	1/4"-20 threaded
30-20003	SPDT ON-ON	Smooth
30-20006	SPDT ON-NONE (ON)	1/4"-20 threaded
30-20005	SPDT ON-(ON)*	Smooth
30-20010	DPDT ON-NONE (ON)	1/4"-20 Threaded
30-20009	DPDT ON-NONE (ON)	Smooth



Electrical Rating:

Contact rating: 5 amps @ 120 VAC or 28 VDC

2 amps @ 250 VAC resistive load

Life expectancy: 40,000 make-break cycles @ full load.

Contact Resist: 10 m ohms Max, initial @ 2-4 volts @100 mA

Insulation resistance: 1,000 Megohms minimum

Dielectric Strength: 1,000 V RMS @ sea level.

Operating temperature range: -30 to +85 degrees Celsius

NOTE: () = Momentary



SPDT

Mechanical:

Case: Dially phthalate (DAP) (UL94V-0), epoxy sealed terms.

Actuator: Brass, Chrome plated.

Bushing: Brass, nickel plated

Housing: Stainless steel.

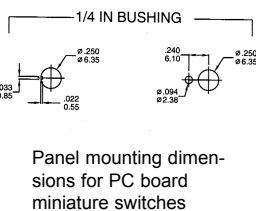
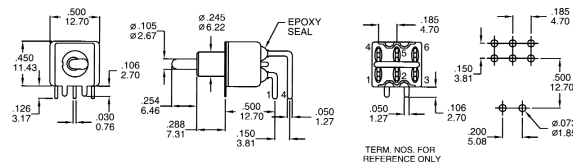
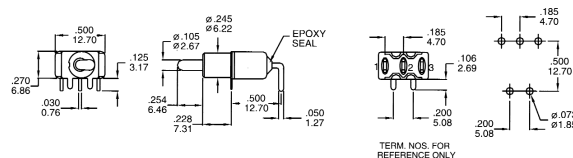
Switch support: Brass, tin plated

Terminals: Gold plated

Contact materials: coin silver.



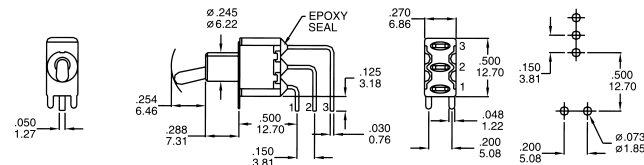
DPDT



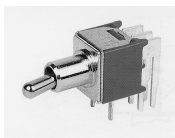
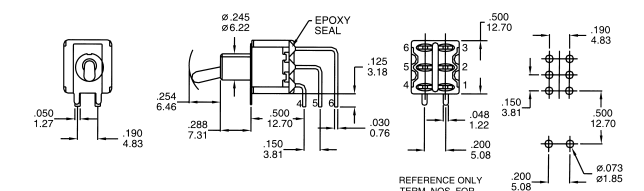
Part No.	Circuit	Bushing
30-20018	SPDT ON-ON	1/4"-20 threaded
30-20017	SPDT ON-ON	Smooth
30-20026	DPDT ON-ON	1/4"-20 Threaded
30-20025	DPDT ON-ON	Smooth

Printed Circuit-vertical mounting Miniature TOGGLE SWITCHES

Right angle and vertical mounting PC board switches with either a plain (smooth) bushing or with a threaded bushing and assembled hardware. Gold plated terminals, contacts are coin silver. UL Listed E187490



SPDT



DPDT

Electrical Rating:

Contact rating: 5 amps @ 125 VAC

2 amps @ 250 VAC

Life expectancy: 40,000 make-break cycles @ full load.

Contact Resistance: 10 milliohms Max, initial @ 2-4 volts.

@100 mA for both silver and gold plated contacts.

Insulation resistance: 1,000 Megohms minimum

Dielectric Strength: 1,000 V RMS @ sea level.

Operating temperature range: -30 to +85 degrees Celsius

Mechanical:

Case: Dially phthalate (DAP) (UL94V-0)

Actuator: Brass, Chrome plated.

Bushing: Brass, nickel plated

Housing: Stainless steel.

Switch support: Brass, tin plated

Terminals: Gold plated

Contact materials: Coin Silver.