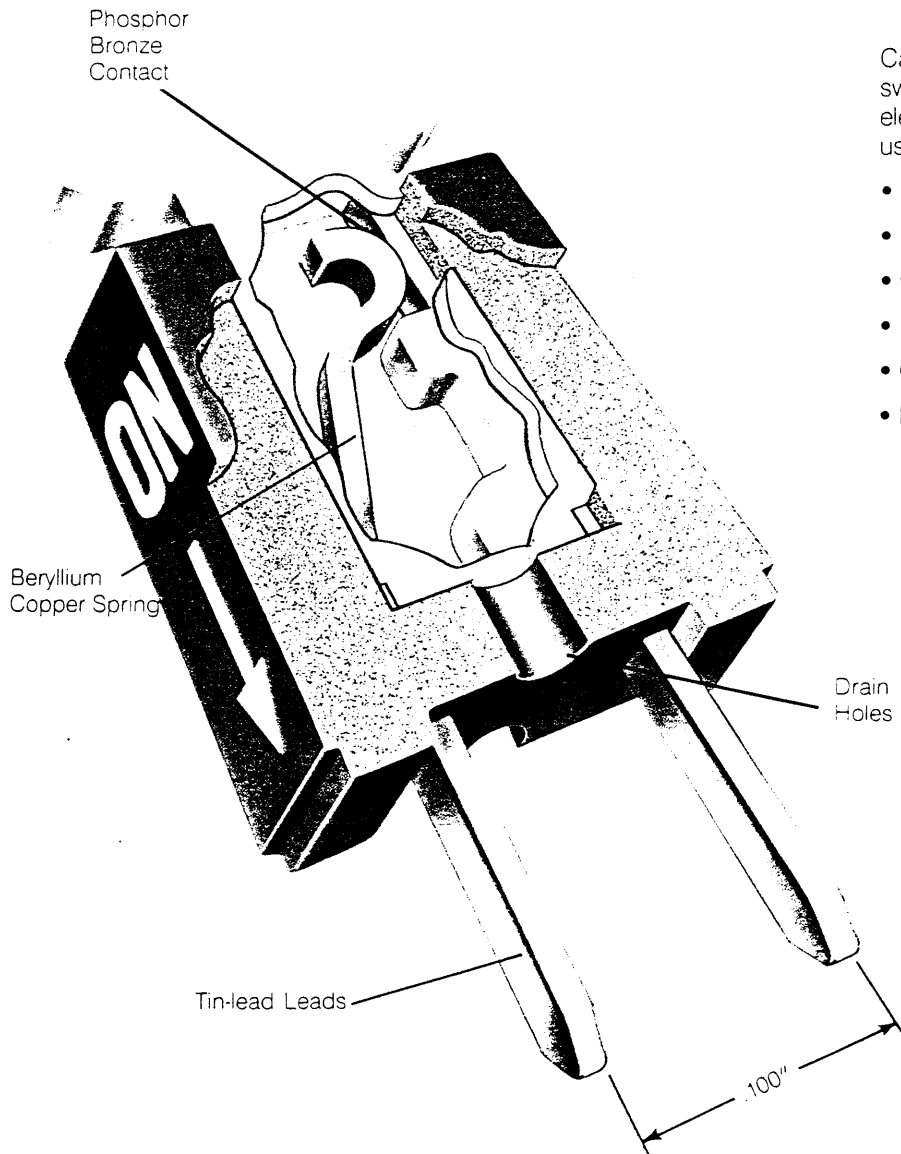


Cambion Clickit™, miniature, printed circuit board switch. The versatile solution to a broad range of board pro- gramming problems.

Clickit™ Switch

Cambion Clickit™ Printed Circuit Board switches are applicable throughout the electronic industry in a wide variety of uses, including:

- Computers
- Test equipment
- Communications equipment
- Process controls
- Ground support
- Instrumentation



Switches

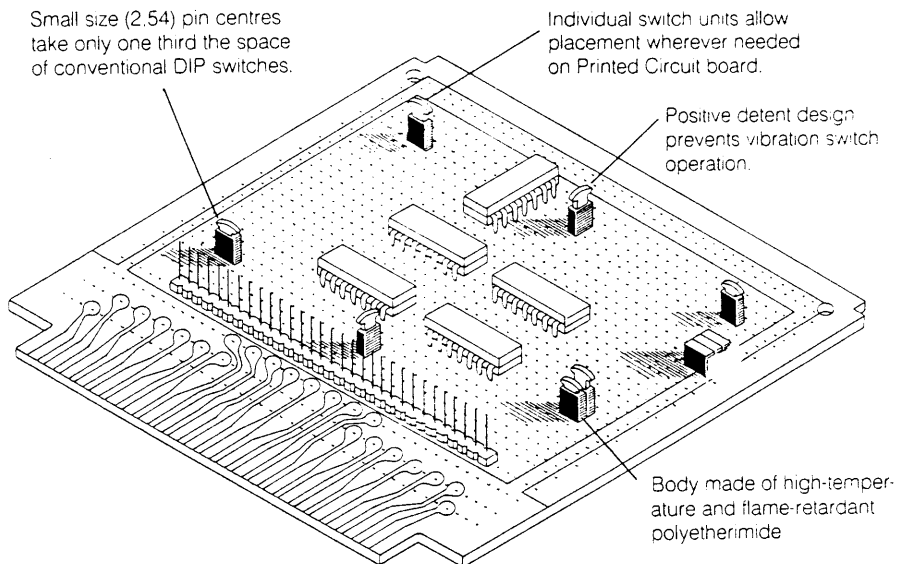
Design and construction features that make the Cambion Clickit™ switch your best buy for Printed Circuit board applications.

The Clickit™ switch mounts directly to the Printed Circuit Board where needed, eliminating expensive routing of the board circuitry to the switch. This means obvious advantages in performance and economy.

When activating a Cambion Clickit™ switch, an audible "click" signals its positioning. This is achieved through its unique design and pre-loading of the contacts. This same design positively locks the device to prevent accidental switch activation by vibration or shock. With the switch activated in the down "ON" position, the contacts are pre-loaded to 100 grams min. to provide a positive electrical connection.

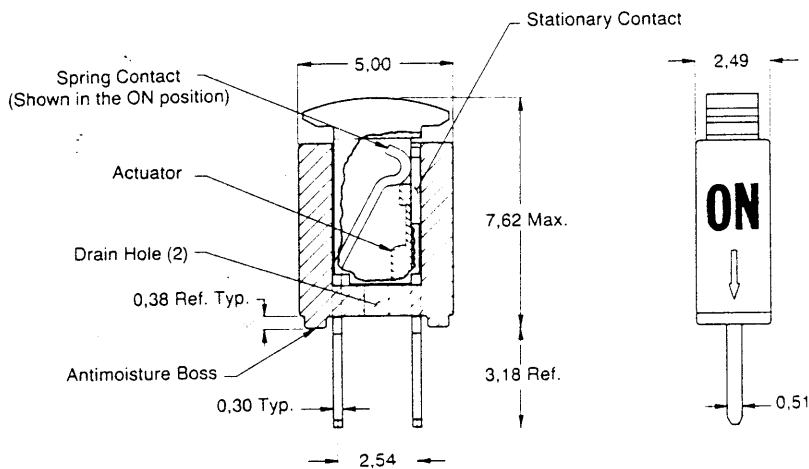
When activated, the actuator moves between the contacts and wipes clean both contact surfaces. The switch is designed to eliminate solder wicking by having its contacts press fitted into the switch body. Two small holes, in the base, allow drainage of flux cleaning fluids.

Actuator design makes for easy hand operation. It incorporates a slot which allows the switch to be operated with a screwdriver or similar tool in confined areas. If space is a problem, the switch's miniature size drastically reduces Printed Circuit Board real estate.



Dimensional Data

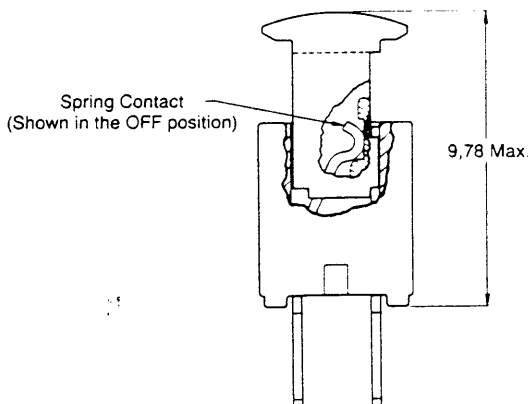
DIMENSIONS IN MILLIMETRES



Ordering Information

ORDER PER PART NO :
704-1000-01-03-16

Consult factory for pricing.



Recommended
Mounting
Hole:
0.64-0.74 DIA.

SPECIFICATIONS

Body material:	Glass filled polyetherimide UL 94V-0.
Actuator material:	Glass filled nylon UL 94 HB
Contact material:	CA 510 phosphor bronze, spring temper.
Spring material:	CA 172 H.T. beryllium copper.
Contact/Spring:	0.8 μ gold over 1.3 μ nickel
Spring normal force:	100 grams min.
Current rating:	1 ampere at 50 VDC non-switching. 100mA at 5 VDC or 25mA at 24 VDC (resistive loads) switching.

PERFORMANCE DATA

Contact resistance:	15 milliohms max. (initial) 20mV open circuit, 70 milli amperes.
Contact resistance after corrosive atmosphere:	No change 4 hours exposure to 10–25 ppm ammonium sulphide sol'n at 90% RH.
Insulation resistance:	1 \times 10 ¹¹ ohms min.
Dielectric withstanding voltage:	500 VDC min.
Capacitance:	5 pico farads max. at 1MHz.
Temperature rating:	– 55°C to + 125°C non operating – 18°C to 94°C operating.
Vibration:	No change in position or discontinuity greater than 1 microsecond, 50G saw tooth.
Humidity:	Withstands 90–98% RH for 10 days at 20° – 65°C.
Operating life:	500 operations minimum 20 m Ω maximum resistance at 12 volts, open circuit, 15 mA
Operating force:	600 grams ON—200 grams OFF
Soldering:	Wave soldering—4 sec. max. time in wave. switch in on position. Hand soldering—2 sec. with 40 watt or less. iron, switch in on position.