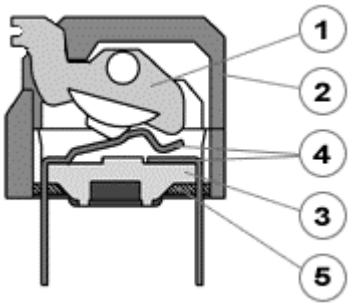
SPECIFICATION

RP-07



1. Terminal plating by gold gives excellent results when soldering.
2. RPL series (raised actuator) and RP series (recessed actuator)
3. Low contact resistance, and self-clean on contact area.
4. Double contacts offer high reliability.
5. All materials are UL94V-0 grade fire retardant plastics.

ELECTRICAL

Electrical life: 2000 operation cycles per switch 24VDC, 25mA.
Non-Switching Rating: 100mA, 50 VDC
Switching Rating: 25mA, 24VCD.
Contact resistance: (a) 50mΩ max. at initial
(b) 100mΩ max. after life test.
Insulation resistance: 100MΩ min. (at 500VDC)
Dielectric Strength: 500VAC/1 minute.
Capacitance: 5pF max.
Circuit: Single pole single throw.

MECHANICAL

Mechanical life: 2000 operations per cycle switch
Operation Force: 400gf max.
Stroke: 2.0mm
Operation Temp: -25° C to +70° C
Storage Temp: -40° C to +85° C
Vibration Test: MIL-STD-202F METHOD 201A
Frequency: 10-55-10Hz/1 min
Directions: X, Y, Z, three mutually perpendicular directions.
Time: 2 hours each direction.
High reliability.
Shock Test: MIL-STD-202F METHOD 213B.
CONDITION A
GRAVITY: 50G (peak value), 11 m/sec.
Direction and times: 6 sides and three times in
each direction. High reliability.

SOLDERING AND CLEANING PROCESSES

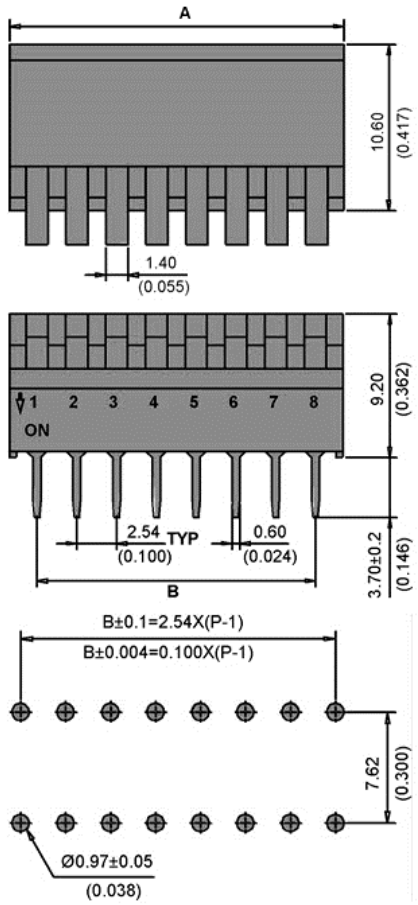
For best results, please follow these recommendations: Keep all switch contacts in their "OFF" position for all operations.

WAVE SOLDERING: Recommended solder temperature at 500 F (260° C) max. 5 seconds.

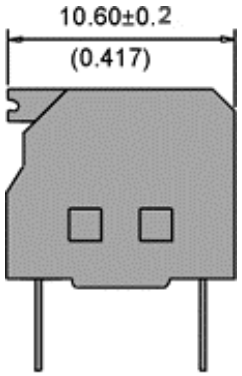
HAND SOLDERING: Use a soldering iron of 30 watts, controlled at 608 F(320° C) approximately 2 seconds while applying solder.

CLEANING PROCESS: Flux clean using force rinse, high agitation or triple bath cleaning method. Freon TF or TE give excellent results. When vapor methods are used, do not subject the switch to solvents at temperatures above 125 F (51° C).

LAYOUT



TERMINAL TYPE



RP SERIES

CIRCUIT DIAGRAM