DBG/DNG Series

TRI-STATE TYPE





Automatic inserting type

Surface mounting type

FEATURES

- With three states (1, open, 0) setting function, especially suitable for encoding/decoding of tri-state encoder/decoder integrated circuit to obtain more security codes than traditional two-state (1,0) operation. For instance, 9 bits with tri-state gets 19,683 (39) codes, while two-state has 512 (29) codes, gain 38 times more codes with a PACER tri-state DIP switch
- All plastics are UL 94V-0 grade fire retardant
- Gold plated contact to ensure low contact resistance and Tin plated terminals to prevent contamination during soldering
- Twin contacts designed to ensure stable contact
- Ideal for coding tele-communication, transceiving, remote control and burglar alarm systems which use intergrated circuits with tri-state coding systems
- RoHS Compliant

APPLICATIONS

- Numerical setting for computer terminal equipment
- Price setting for vending machines
- Programming for game machines
- Programming for industrial equipment and measuring instruments

SPECIFICATIONS

1. ELECTRICAL

Contact rating

25 mA, 24 VDC switching 100 mA non-switching

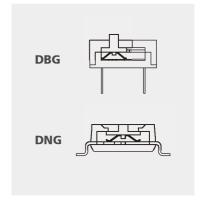
Contact resistance

initial 50 m Ω Max. after life test 100 m Ω Max.

Insulation resistance $1.000 \text{ M}\Omega$ Min. at 100 VDCDielectric strength 500 VDC Min. for 1 minute

Capacitance between adjacent switches 5 pF Max

CONSTRUCTION



MECHANICAL and ENVIRONMENTAL

Temperature rating

operating -40°C to +85°C storage -40°C to +85°C Operation force 800g Max. Mechanical life 2,000 operations Humidity 95%RH, 40°C for 96 Hrs. Vibration 10Hz - 55Hz - 10Hz for 6 Hrs. Solderability After flux 245±5 °C for 5 ±1 second

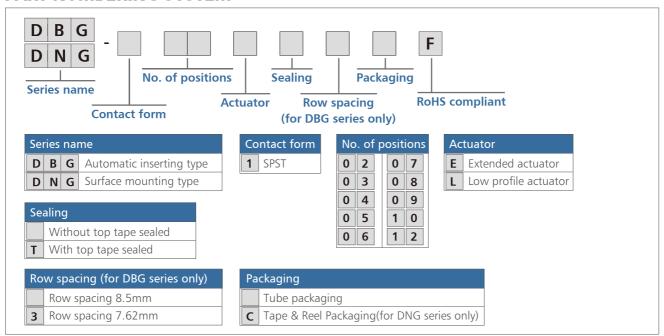
(for through hole type) Resistance to soldering heat

Solder bath $260\pm5^{\circ}$ C for 5 ± 1 second Solder reflow Peak temperature 260°C Max

Reflow soldering process for SMT type Reference IEC61760

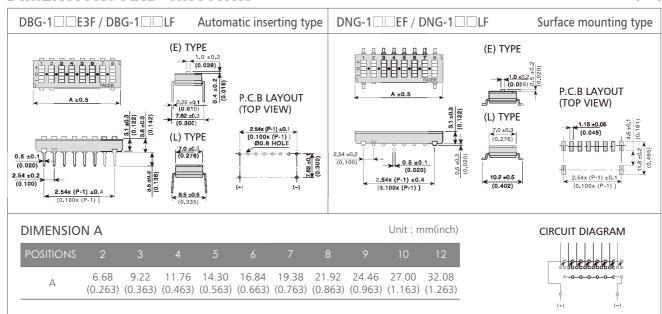


PART NUMBERING SYSTEM



DIMENSIONS AND CIRCUITRY

Unit mm (inch)



OPTIONS

