

DBG/DNG SERIES

TRI-STATE 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 (3^9) codes, while two-state has 512 (2^9) codes, gain 38 times more codes with a PACER tri-state DIP Switch.
- Bottom sealed to ensure free of flux immersion during wave soldering.
- 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 of tele-communication, transceiving, remote control and burglar alarm systems which use integrated circuits with tri-state coding system.

APPLICATIONS

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

SPECIFICATIONS

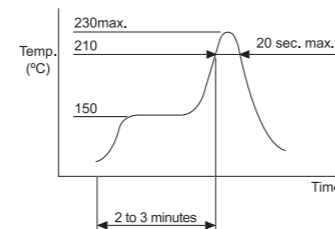
1 ELECTRICAL

- Contact rating
Switching 25 mA, 24 VDC
Non-switching 100 mA
- Contact resistance
Initial 50 mΩ Max.
After life test 100 mΩ Max.
- Insulation resistance 1000 MΩ Min. at 100 VDC
- Dielectric strength 500 VDC Min. for 60 seconds
- Capacitance between adjacent switches 5pF Max.

2 MECHANICAL and ENVIRONMENTAL

- Temperature rating
Operating -25 °C to +70 °C
Storage -40 °C to +85 °C
- Operation force 800g Max.
- Mechanical life 2000 Operations
- Humidity 95% RH, 40 °C for 96 Hrs.
- Vibration Per MIL-STD-202F, method 204D
- Solderability (for through hole type) After flux 230±5 °C for 5±0.5 seconds, 95% coverage
- Resistance to soldering heat (for through hole type) 260±5 °C for 5±1 seconds

- Reflow soldering heat for SMT type(reference only)



PART NUMBERING SYSTEM

DBG	—	1	08	E	*	*	*	*
(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)

- | | | |
|---|--|---|
| (1) Series name
DBG: Auto inserting type
DNG: Surface mounting type | (4) Actuator
E: Extended actuator
L: Low profile actuator | (7) Packaging
Blank: Tube packaging
C: Tape & reel packaging
(For DNG series only) |
| (2) Contact form
1: SPST | (5) Sealing
Blank: Without top tape sealed
T: With top tape sealed | (8) Options
Blank: Standard
F: RoHS compliance |
| (3) Number of positions
02,03,04,05,06,07,08,09,10,12 | (6) Rows spacing(for DBG series only)
Blank: Rows spacing 8.5mm
3: Rows spacing 7.62mm | |

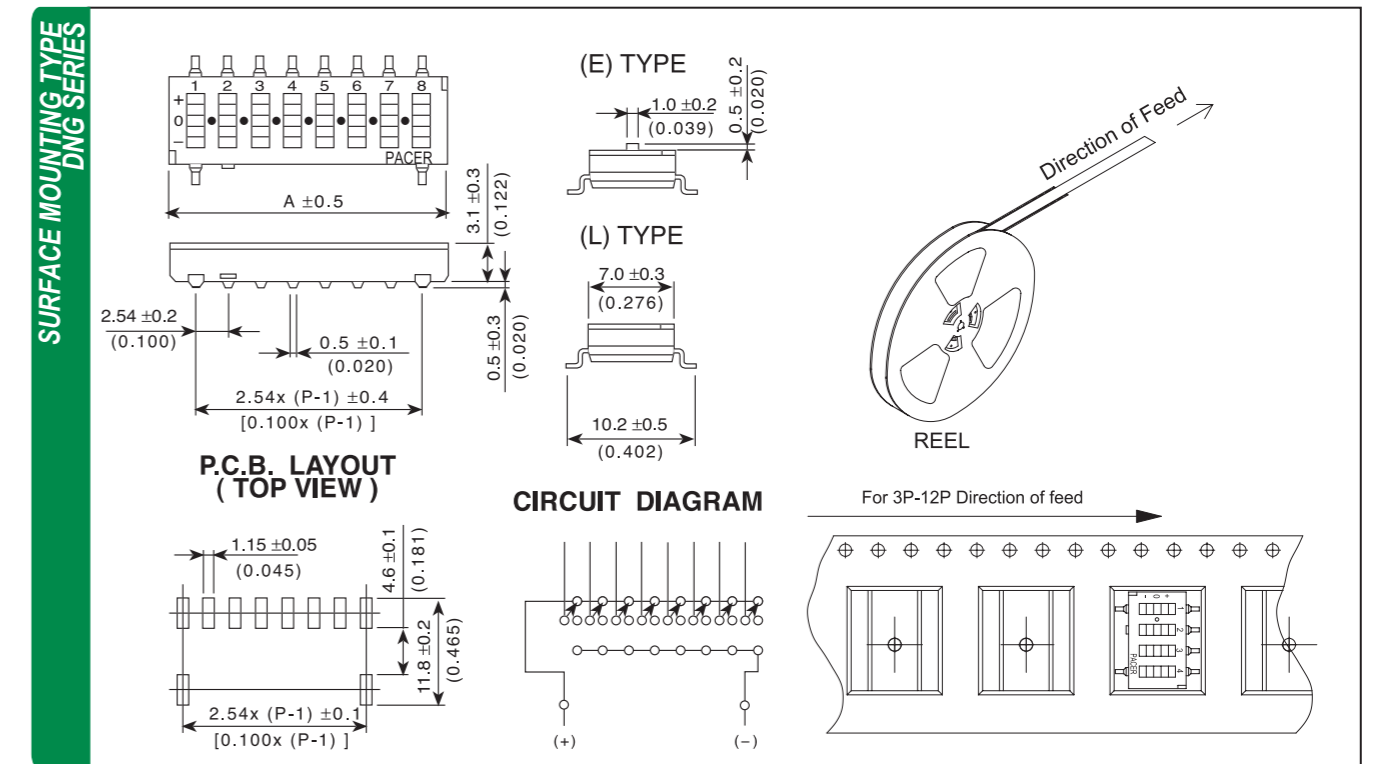
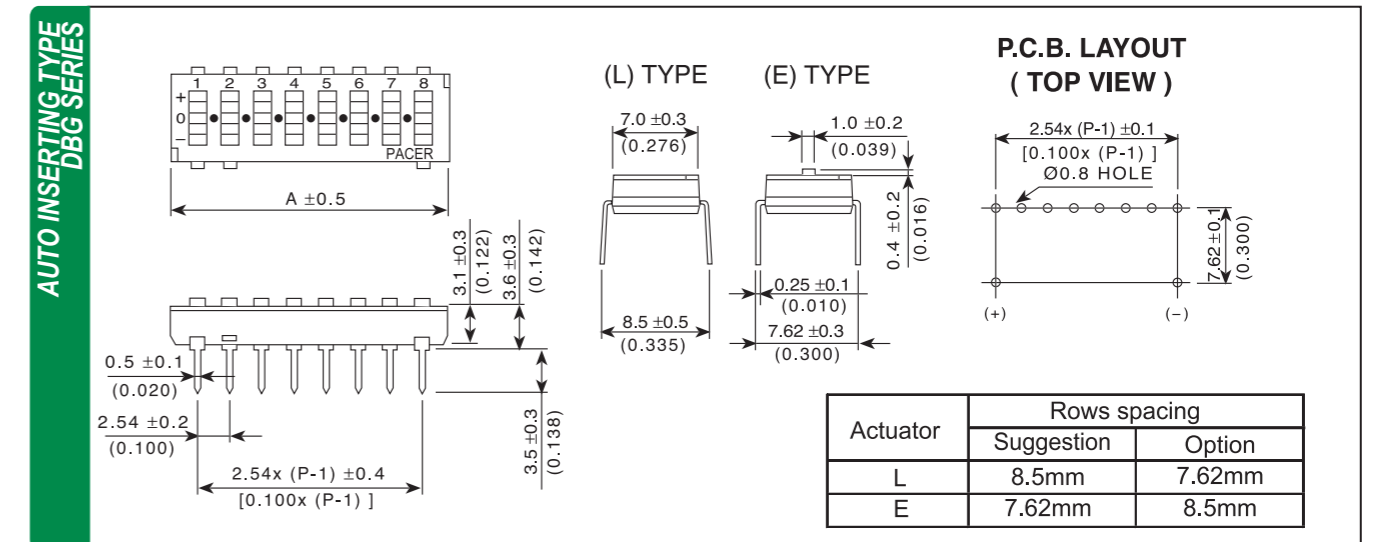


DBG/DNG SERIES

DIMENSIONS Unit:mm(inch)

DIMENSION A

Positions	02	03	04	05	06	07	08	09	10	12
A	6.68 (0.263)	9.22 (0.363)	11.76 (0.463)	14.3 (0.563)	16.84 (0.663)	19.38 (0.763)	21.92 (0.863)	24.46 (0.963)	27.00 (1.063)	32.08 (1.263)



PACKAGING Unit:Tube/Reel

Packaging	Positions No. of pcs. per unit	02	03	04	05	06	07	08	09	10	12
		Tube packaging	Without top tape sealed	78	56	43	36	31	27	23	21
	With top tape sealed	78	56	43	36	31	27	23	21	19	16
Reel packaging	Surface mounting	1,300	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000