

Features/Benefits

- ***Side actuated contacts***
- ***Available in thru-hole or SMT models***
- ***High pressure contact system does not require tape seal for washing***
- ***RoHS compliant & compatible***

Typical Applications

- **Address switching for industrial controls**
- **Logic switching for computers and peripherals**
- **Function controlling for numerous applications**

Specifications

SWITCH FUNCTION: 1 thru 10 and 12 position available.

CONTACT RATING: 100 mA max. @ 5 V DC or 25 mA max.
@ 24 V DC.

MECHANICAL AND ELECTRICAL LIFE: 1,000 cycles min.
@ 5 V DC 10mA.

CONTACT RESISTANCE: 50 milliohms initial max.

INSULATION RESISTANCE: 100 V DC 100 megohms min.

DIELECTRIC WITHSTAND VOLTAGE: 300 V

STORAGE TEMPERATURE: -40°C to 85°C.

OPERATING TEMPERATURE: -20°C to

OPERATING FORCE: 800 grams max.
SOLDERABILITY: Flow solderable and washable
(soldering: 260°C for 10 sec. max.)

PACKAGING: Switches supplied in rigid dispensing tubes in full-tube quantities only, this may affect order quantity. Numbers of switches per tube varies with model. Tape and reel packaging available for SMT options.

Materials

HOUSING: PPS, color black (UL94V-0).

COVER: PPS, color black (UL94V-0).

ACTUATOR: PA-6T UL94V-0).

CONTACTS: Beryllium Copper with Gold over Nickel plate.

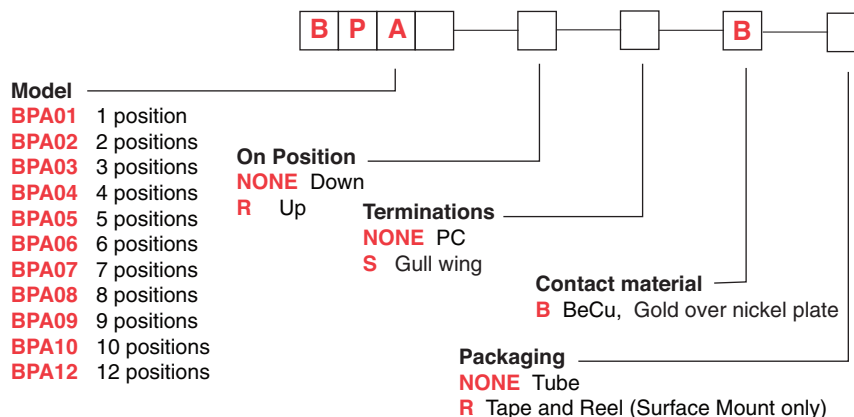
TERMINALS: Brass, Gold over Nickel plate.

Note: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.

How To Order

The Build-A Switch concept allows you to mix and match options to create the switch you need. Below is a complete listing of options shown in catalog. To order, simply select desired option from each category and place in the appropriate box.

All switches supplied in “OFF” position.

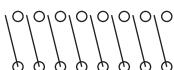


H

DIP

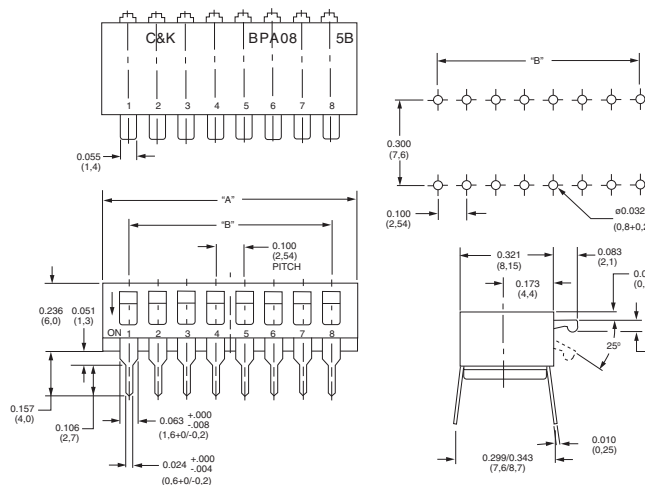
DIP
H

Schematic



SPST

NOTE: Reverse throw available, contact C&K for P/N and quote.

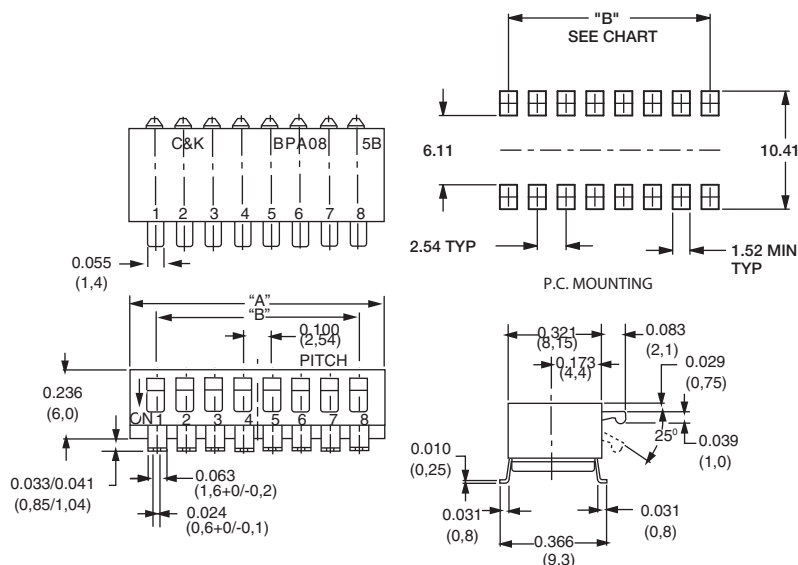


Schematic



SPST

NOTE: Tape and reel packaging available by adding "R" to end of project number.



Dimensions are shown: Inch (mm)
Specifications and dimensions subject to change

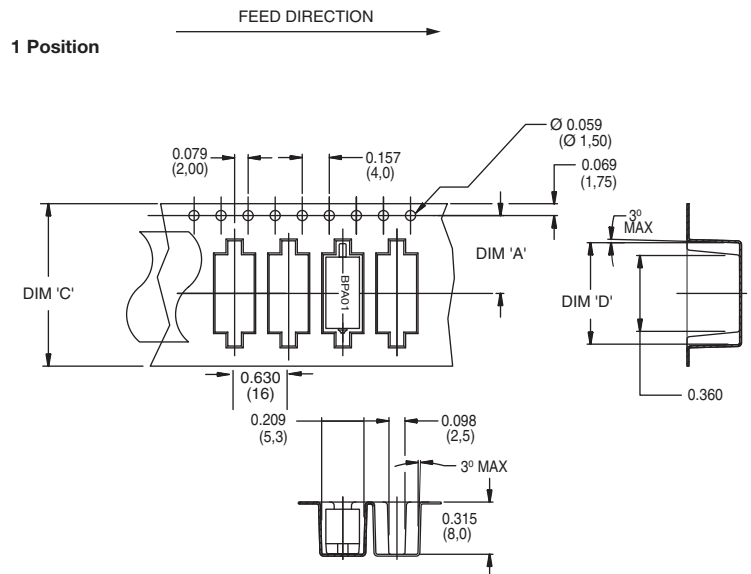
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QTY/ REEL	POLES	DIM. 'A'	DIM. 'B'	DIM. 'C'	DIM. 'D'	DIM. 'E'
500	1	.453 (11,5)	—	.945 (24,0)	.530 (13,45)	.960 (24,4)
500	2	.453 (11,5)	—	.945 (24,0)	.311 (7,9)	.960 (24,4)
500	3	.453 (11,5)	—	.945 (24,0)	.409 (10,4)	.960 (24,4)
500	4	.453 (11,5)	—	.945 (24,0)	.508 (12,9)	.960 (24,4)
500	5	.453 (11,5)	—	.945 (24,0)	.606 (15,4)	.960 (24,4)
500	6	.559 (14,2)	1.118 (28,4)	1.260 (32,0)	.709 (18,0)	1.275 (32,4)
500	7	.559 (14,2)	1.118 (28,4)	1.260 (32,0)	.807 (20,5)	1.275 (32,4)
500	8	.795 (20,2)	1.590 (40,4)	1.732 (44,0)	.894 (22,7)	1.748 (44,4)
500	9	.795 (20,2)	1.590 (40,4)	1.732 (44,0)	1.004 (25,5)	1.748 (44,4)
500	10	.795 (20,2)	1.590 (40,4)	1.732 (44,0)	1.106 (28,1)	1.748 (44,4)
500	12	.795 (20,2)	1.590 (40,4)	1.732 (44,0)	1.311 (33,3)	1.748 (44,4)

MARKING LABEL ON
END OF TUBE

0.079 (2,0)
0.071 (1,8)
0.512 (13,0)
0.276 ± .008 (7,0 ± 0,2)
0.020 (0,5)
0.177 (4,5)
0.256 (6,5)
0.512 (13,0)
0.197 (5,0)
0.433 (11,0)
0.020 MAX. (0,5) TYP.
0.079 REF. (2,0)

19.68 ± 0.04 (500.0 ± 1.0)



Technical drawing of a mechanical part, showing a side view and a cross-section. The drawing includes dimensions in inches and millimeters.

Side View Dimensions:

- Overall length: .630 (16,0)
- Distance from left end to first hole: .079 (2,00)
- Distance between holes: .157 (4,00)
- Hole diameter: Ø.059 (1,50)
- Distance from right end to last hole: .069 (1,75)
- Distance from left end to center of last hole: .450 (11,5)
- Distance from center of last hole to right end: .315 (8,00)
- Angle: 3° MAX.

Cross-Section Dimensions:

- Overall width: Ø.012 (0,30) MAX.
- Distance from top surface to center of hole: DIM. 'A'
- Distance from bottom surface to center of hole: DIM. 'C'
- Distance from top surface to bottom surface: DIM. 'D'
- Angle: 3° MAX.
- Distance from bottom surface to center of hole: 0.020 (0,5)

Technical drawing of a mechanical part, showing top and side views with dimensions in inches and millimeters.

Top View Dimensions:

- Overall width: 0.079 (2,00)
- Distance from left edge to first hole center: 0.157 (4,00)
- Hole diameter: 0.059 (1,50)
- Distance from right edge to last hole center: 0.069 (1,75)
- Distance between hole centers: 0.630 (16,0)
- Feature 'A' width: 0.450 (11,5)
- Feature 'A' depth: 0.315 (8,00)
- Feature 'A' angle: 3° MAX.
- Feature 'B' width: 0.020 (0,5)
- Feature 'B' depth: 0.012 (0,30)
- Feature 'B' angle: 3° MAX.

Side View Dimensions:

- Overall height: 0.079 (2,00)
- Distance from top edge to first hole center: 0.157 (4,00)
- Hole diameter: 0.059 (1,50)
- Distance from right edge to last hole center: 0.069 (1,75)
- Distance between hole centers: 0.630 (16,0)
- Feature 'A' width: 0.450 (11,5)
- Feature 'A' depth: 0.315 (8,00)
- Feature 'A' angle: 3° MAX.
- Feature 'B' width: 0.020 (0,5)
- Feature 'B' depth: 0.012 (0,30)
- Feature 'B' angle: 3° MAX.

Notes:

- SEE DETAIL A
- FEED DIRECTION

