#### Features/Benefits

- Variety of actuators and terminations
- Panel mount tabs available
- Epoxy terminal seal—compatible with bottom-wash cleaning
- RoHS compliant

#### Typical Applications

- Test & measurement equipment
- Telecommunications
- Computer & peripherals



Models Available

#### Specifications

CONTACT RATING: B contact material: 0.4 VA max. @ 20 V AC or DC max. Q contact material: 6 AMPS @ 120 V AC or 28 V DC, 3 AMPS @ 250 V AC. See page I-16 for additional ratings.

- ELECTRICAL LIFE: 100,000 make-and-break cycles at full load on models with B, K or P contact material; 40,000 cycles on models with G, Q, L, M, S or R contact material.
- CONTACT RESISTANCE: Below 10 m  $\Omega$  typ. initial @ 2-4 V DC, 100 mA, for both silver and gold plated contacts.
- INSULATION RESISTANCE:  $10^9 \Omega$  min.
- DIELECTRIC STRENGTH: 1,000 Vrms min. @ sea level.

OPERATING TEMPERATURE: -30°C to 65°C

SOLDERABILITY: Per MIL-STD-202F method 208D, or EIA RS-186E method 9 (1 hour steam aging).

#### Materials

CASE: diallyl phthalate (DAP), (UL 94V-0).

ACTUATOR: Nylon, black, standard.

HOUSING: Stainless steel.

SWITCH SUPPORT: Brass or steel, matte-tin plated.

- END CONTACTS: B contact material: Copper alloy, with gold plate over nickel plate. Q contact material: Coin silver, silver plated. See page I-16 for additional contact materials.
- CENTER CONTACT & ALL TERMINALS: B contact material: Copper alloy, with gold plate over nickel plate. Q contact material: Copper alloy, silver plated. See page I-16 for additional contact materials.
- TERMINAL SEAL: Epoxy. Refer to Soldering and Cleaning in Technical Data chapter

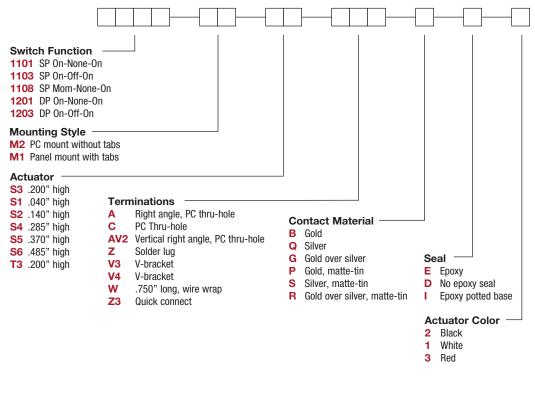
NOTE: Any models supplied with Q, B, G, P, S or R contact material are RoHS compliant.

NOTE: Specifications and materials listed above are for switches with standard options.

For information on specific and custom switches, consult Customer Service Center.

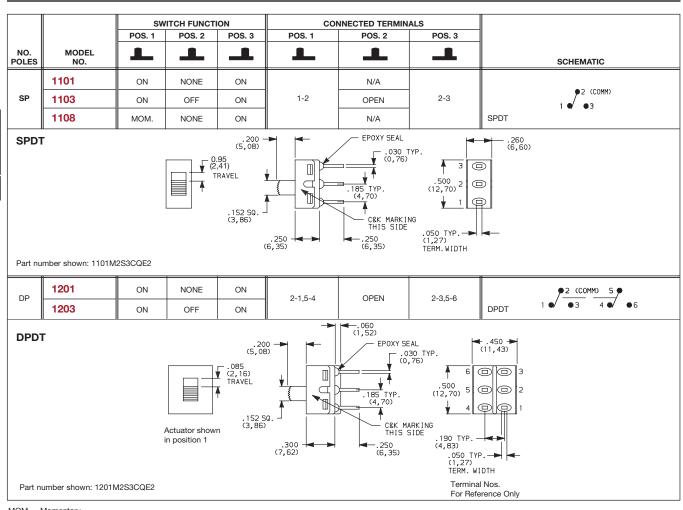
#### **Build-A-Switch**

To order, simply select desired option from each category and place in the appropriate box. Available options are shown and described on pages I–12 through I–16. For additional options not shown in catalog, consult Customer Service Center. All models have epoxy terminal seal and are compatible with all "bottom-wash" PCB cleaning methods.









MOM. = Momentary

All models with all options when ordered with G, Q, S or R contact material.

-2

Slide

**MOUNTING STYLE** M2 PC MOUNTING WITHOUT TABS M1 PANEL MOUNTING WITH TABS .770 .690 ٧ ¥ .240 (6,10) NOTE: Available with C, W, Z, Z3 terminations only. No mounting hardware supplied. PANEL MOUNTING .165 .338 Æ ¥ Ŵ .255 .690 (6,48) (17,53) .275 .005 R. MAX. (0,13) .690 (17,53) .005 R.MAX. (0,13) (6.99)A 4 .094 DIA. (2,39Ø) TYP. .094 DIA. (2.39Ø) TYP. ¥ All actuators except T3 For T3 actuator only. Single pole Double pole Third Angle  $\bigcirc$ Projection

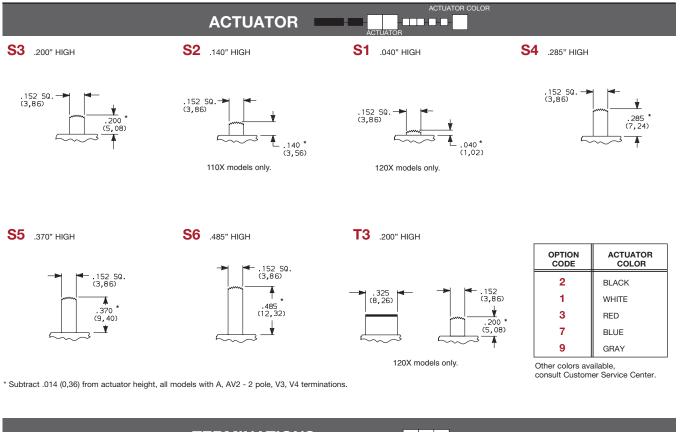
NOTE: Available with A, AV2, C, V3, V4, W terminations only.

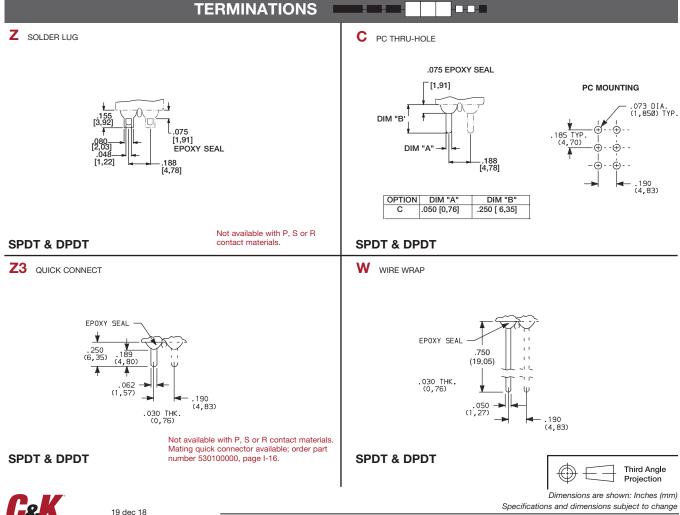


Dimensions are shown: Inch (mm)

Specifications and dimensions subject to change

Slide

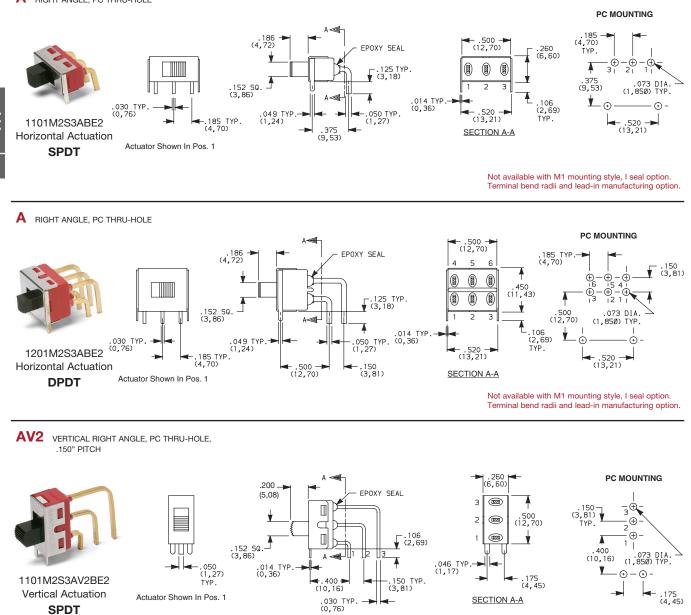




### TERMINATIONS



Slide



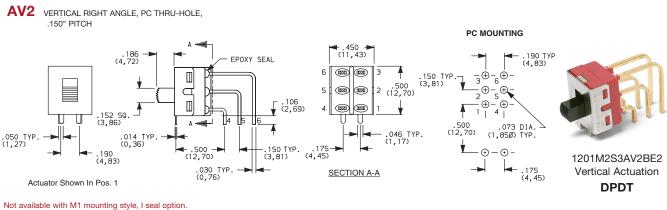
Not available with M1 mounting style, I seal option. Terminal bend radii and lead-in manufacturing option.



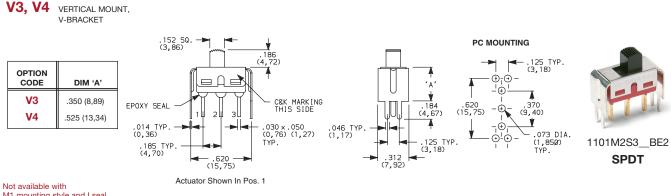
Dimensions are shown: Inch (mm) Specifications and dimensions subject to change

-2

#### TERMINATIONS

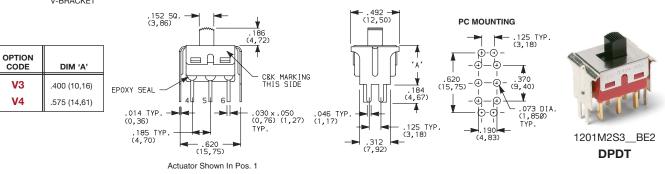


Terminal bend radii and lead-in manufacturing option.



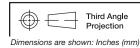
M1 mounting style and I seal.

V3, V4 VERTICAL MOUNT. V-BRACKET



Not available with M1 mounting style and I seal.

-2



Specifications and dimensions subject to change

#### 

OPTION CODE	CONTACT MATERIAL	TERMINAL PLATING	RATINGS	
В	GOLD 1	GOLD <sup>3</sup>	LOW LEVEL/	
Р		MATTE-TIN 6		0.4 VA MAX. @ 20 V AC OR DC MAX.
Q	SILVEB 4,5	SILVER <sup>4</sup>	POWER	6 AMPS @ 120 V AC OR 28 V DC; 3 AMPS @ 250 V AC.
S	SILVER 5	MATTE-TIN 6	POWER	6 AMPS @ 120 V AC OR 28 V DC; 3 AMPS @ 250 V AC.
G	GOLD OVER	GOLD <sup>3</sup>	LOW LEVEL/DRY	0 4 VA MAX @ 20 V AC OR DC MAX OR 6 AMPS @ 120 V AC OR
R	SILVER <sup>2,3</sup>	MATTE-TIN 6	CIRCUIT OR POWER	0.4 MAX. 28 V DC; 3 AMPS @ 250 V AC.

\* Note: See Technical Data section of this catalog for RoHS compliant and compatible definitions and specifications.

- <sup>1</sup> CONTACTS & TERMINALS: Copper alloy, with gold plate over nickel plate.
- <sup>2</sup> END CONTACTS: Coin silver, with gold plate over nickel plate.
- <sup>3</sup> CENTER CONTACTS & ALL TERMINALS: Copper alloy, with gold plate over nickel plate.
- <sup>4</sup> END CONTACTS: Coin silver, silver plated.

Slide

- <sup>5</sup> CENTER CONTACT & ALL TERMINALS: Copper alloy, silver plated.
- <sup>6</sup> TERMINALS: Copper alloy, with matte-tin over nickel plate.

### $\ensuremath{\textbf{NOTE:}}$ Any models supplied with Q, B, G, P, S or R contact material are RoHS compliant.

All models cNUs with all options when ordered with G, Q, S or R contact material.

B contact material standard with all terminations except C, Z, Z3..

Q contact material standard with C, Z, Z3 terminations.

P, S or R contact materials not available with Z, Z3 terminations.



### AVAILABLE HARDWARE

Fits Z3 Termination female connector



PART NO. 530100000 Available in loose pieces.



Third Angle Projection

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

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