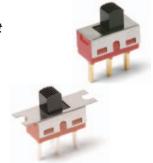
# 1000 Series Miniature Slide Switches

### 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



## c**FL**us

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 J-15 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<sup>9</sup>  $\Omega$  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

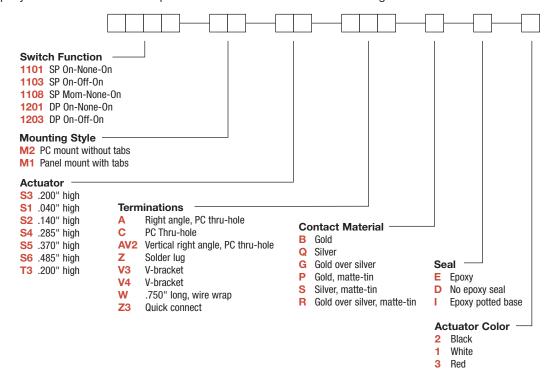
NOTE: Any models supplied with Q, B, G, P, S or R contact material are RoHS compliant.

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.





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

#### **SWITCH FUNCTION**

CMITCH FUNCTION CONNECTED TERMINALS									
		POS. 1 POS. 2 POS. 3			POS. 1	POS. 1 POS. 2 POS. 3			
NO. POLES	MODEL NO.	4	_	_	1			SCHEMATIC	
SP	1101	ON	NONE	ON	1-2	N/A	2-3		
	1103	ON	OFF	ON		OPEN		2 (COMM) 1 • 3	
	1108	мом.	NONE	ON		N/A		SPDT	
SPDT  (200 (5,08) .030 TYP. (0,76) .030 TYP. (0,76) .152 S0. (12,70) .152									
DP	1201 1203	ON ON	NONE OFF	ON ON	2-1,5-4	OPEN	2-3,5-6	DPDT 1 0 2 (COMM) 5 0 6	
DPDT    CN									
Part number shown: 1201M2S3CQE2 For Reference Only									

MOM. = Momentary



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

# **MOUNTING STYLE**

**M2** 

PC MOUNTING WITHOUT TABS



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

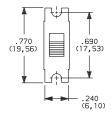
PANEL MOUNTING WITH TABS



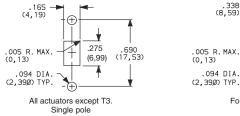
**NOTE:** Available with C, W, Z, Z3 terminations only. No mounting hardware supplied.

For T3 actuator only.

.255 .690 (6,48) (17,53)



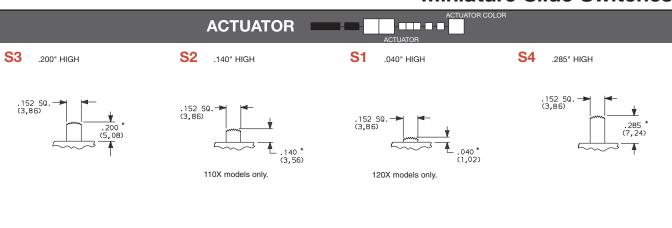
## PANEL MOUNTING

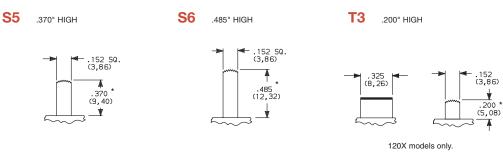


Third Angle Projection

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





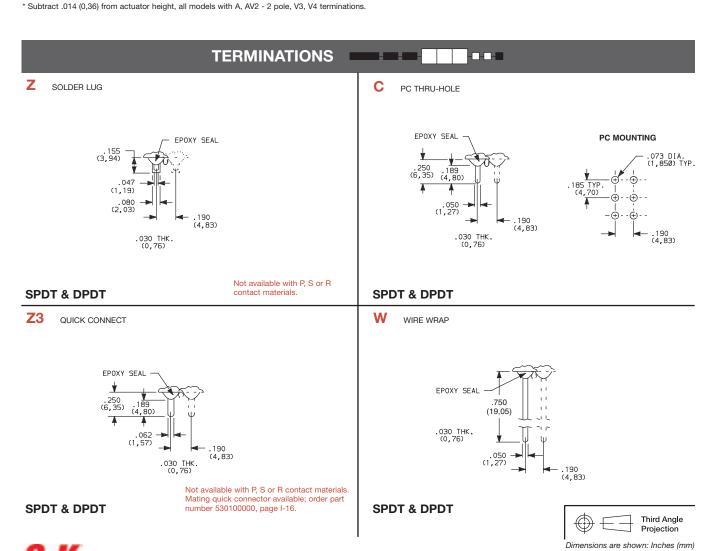


	CODE	COLOR	
	2	BLACK	
.152 (3,86)	1	WHITE	
	3	RED	
.200 * (5,08)	7	BLUE	
→	9	GRAY	
120X models only.	Other colors available		

OPTION

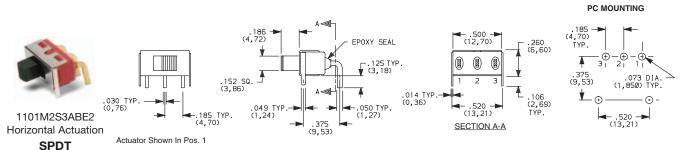
Other colors available, consult Customer Service Center.

ACTUATOR



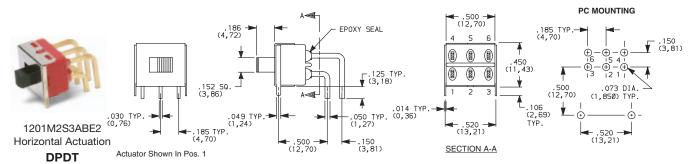
Specifications and dimensions subject to change

A RIGHT ANGLE, PC THRU-HOLE



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

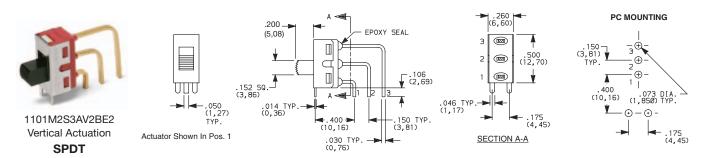
A RIGHT ANGLE, PC THRU-HOLE



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

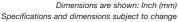
AV2

VERTICAL RIGHT ANGLE, PC THRU-HOLE, .150" PITCH



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

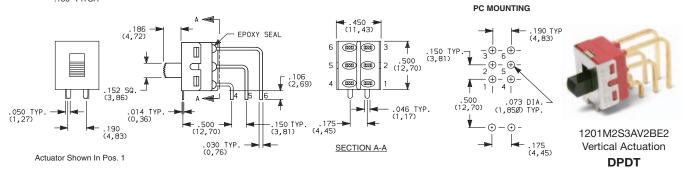






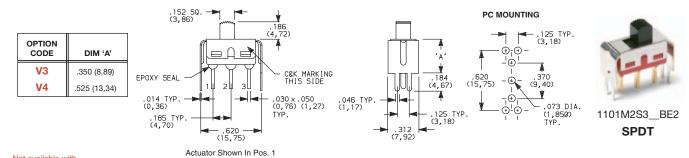
## **TERMINATIONS**

VERTICAL RIGHT ANGLE, PC THRU-HOLE, .150" PITCH



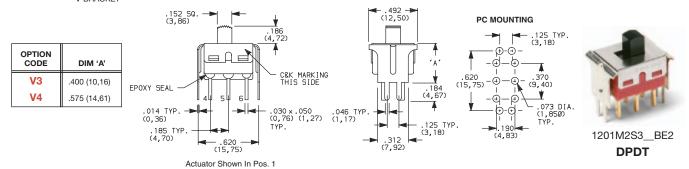
Not available with M1 mounting style, I seal option. Terminal bend radii and lead-in manufacturing option.

# V3, V4 VERTICAL MOUNT, V-BRACKET



Not available with M1 mounting style and I seal.

# V3, V4 VERTICAL MOUNT, V-BRACKET



Not available with M1 mounting style and I seal.



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



# 1000 Series Miniature Slide Switches

## CONTACT MATERIAL

OPTION CODE	CONTACT MATERIAL	TERMINAL PLATING	RATINGS		
В	GOLD <sup>1</sup>	GOLD <sup>3</sup>	LOW LEVEL/		
Р		MATTE-TIN 6	i	0.4 VA MAX. @ 20 V AC OR DC MAX.	
Q	SILVER 4,5	GOLD <sup>3</sup>	POWER	6 AMPS @ 120 V AC OR 28 V DC; 3 AMPS @ 250 V AC.	
S		MATTE-TIN <sup>6</sup>	POWER	O AIVIPS @ 120 V AC OR 26 V DC; 3 AIVIPS @ 230 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 0.4 MAX. 28 V DC; 3 AMPS @ 250 V AC.	
R	SILVER 2,0	MATTE-TIN <sup>6</sup>	CIRCUIT OR POWER	0.4 MAN. 20 V DO, 3 AMIFS & 230 V AC.	

- \* Note: See Technical Data section of this catalog for RoHS compliant and compatible definitions and specifications.
- $^{\rm 1}$  CONTACTS & TERMINALS: Copper alloy, 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.
- $^{\rm 5}$  CENTER CONTACT & ALL TERMINALS: Copper alloy, silver plated.
- <sup>6</sup> TERMINALS: Copper alloy, with matte-tin over nickel plate.

 $^{2}\ \mbox{END}$  CONTACTS: Coin silver, with gold plate over nickel plate.

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

All models  $\,$   $\,$   $\,$   $\,$  W  $\,$  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 B contact materials not available with Z, Z3 terminations.

E EPOXY SEAL

D NO EPOXY SEAL

EPOXY SEAL

EPOXY SEAL

EPOXY SEAL

OFF MAX.

(1,91)

NOTE: Available with C, W, W3, Z, Z3 terminations only.

# AVAILABLE HARDWARE

Fits Z3 Termination female connector



#### PART NO.

#### 530100000

Available in loose pieces.



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

