

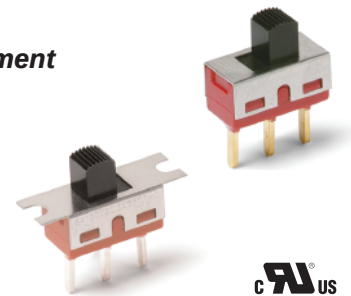
1000 Series Miniature Slide Switches

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&K 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 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 Ω typ. initial @ 2-4 V DC, 100 mA, for both silver and gold plated contacts.

INSULATION RESISTANCE: 10⁹ Ω 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.

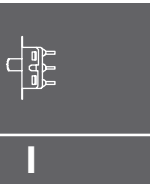
Build-A-Switch

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.

Switch Function 1101 SP On-None-On 1103 SP On-Off-On 1108 SP Mom-None-On 1201 DP On-None-On 1203 DP On-Off-On Mounting Style M2 PC mount without tabs M1 Panel mount with tabs Actuator S3 .200" high S1 .040" high S2 .140" high S4 .285" high S5 .370" high S6 .485" high T3 .200" high Terminations A Right angle, PC thru-hole C PC Thru-hole AV2 Vertical right angle, PC thru-hole Z Solder lug V3 V-bracket V4 V-bracket W .750" long, wire wrap Z3 Quick connect			
Contact Material B Gold Q Silver G Gold over silver P Gold, matte-tin S Silver, matte-tin R Gold over silver, matte-tin Seal E Epoxy D No epoxy seal I Epoxy potted base			
Actuator Color 2 Black 1 White 3 Red			



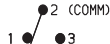
Dimensions are shown: Inches (mm)
Specifications and dimensions subject to change

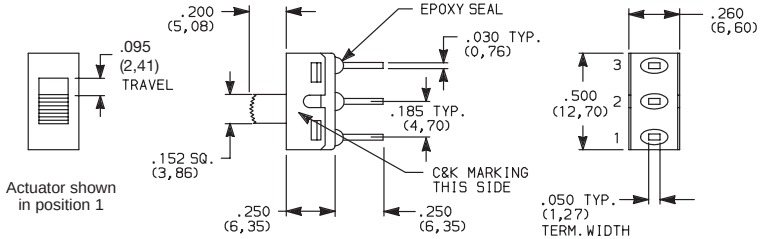


Slide

1000 Series
Miniature Slide Switches

SWITCH FUNCTION

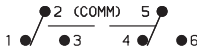
NO. POLES	MODEL NO.	SWITCH FUNCTION			CONNECTED TERMINALS			SCHEMATIC
		POS. 1	POS. 2	POS. 3	POS. 1	POS. 2	POS. 3	
SP	1101	ON	NONE	ON	1-2	N/A	2-3	
	1103	ON	OFF	ON		OPEN		
	1108	MOM.	NONE	ON		N/A		
SPDT								

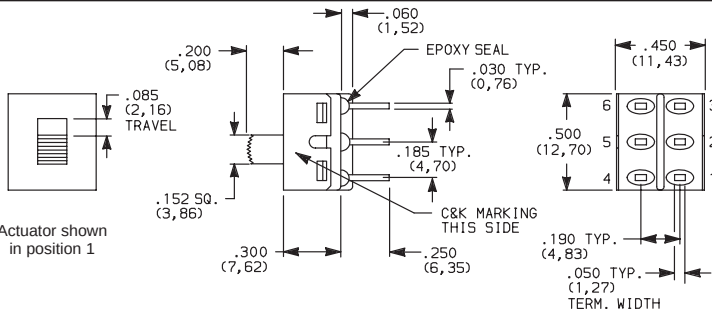


Actuator shown in position 1

Part number shown: 1101M2S3CQE2

Terminal Nos. For Reference Only

DP	1201	ON	NONE	ON	2-1,5-4	OPEN	2-3,5-6	
	1203	ON	OFF	ON				
DPDT								



Actuator shown in position 1

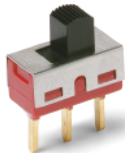
Part number shown: 1201M2S3CQE2

Terminal Nos. For Reference Only

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

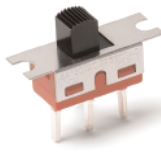
MOUNTING STYLE

M2 PC MOUNTING WITHOUT TABS

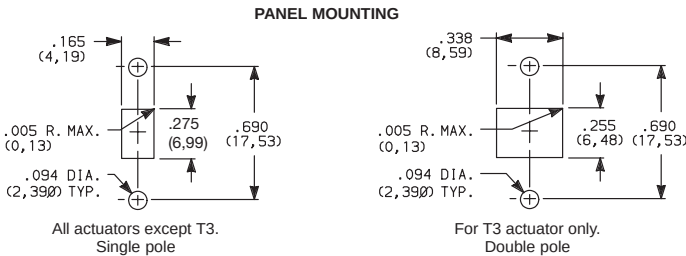
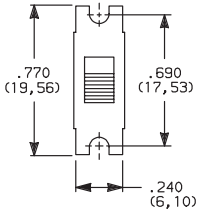


NOTE: Available with A, AV2, C, V3, V4, W terminations only.

M1 PANEL MOUNTING WITH TABS



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

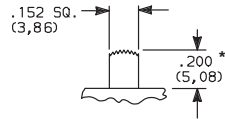


Third Angle Projection
Dimensions are shown: Inch (mm)
Specifications and dimensions subject to change

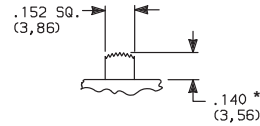
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S3 .200" HIGH

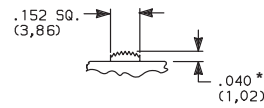


S2 .140" HIGH



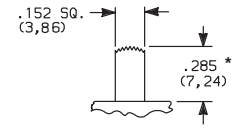
110X models only.

S1 .040" HIGH

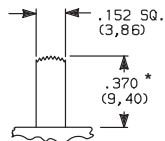


120X models only.

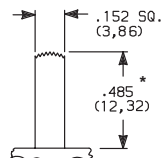
S4 .285" HIGH



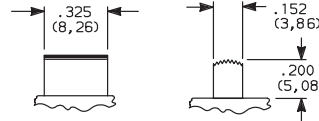
S5 .370" HIGH



S6 .485" HIGH



T3 .200" HIGH



120X models only.

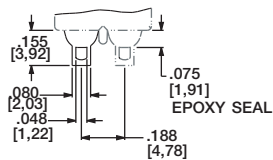
OPTION CODE	ACTUATOR COLOR
2	BLACK
1	WHITE
3	RED
7	BLUE
9	GRAY

Other colors available, consult Customer Service Center.

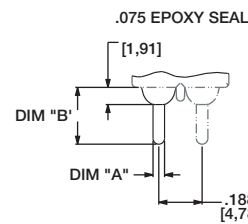
* Subtract .014 (0,36) from actuator height, all models with A, AV2 - 2 pole, V3, V4 terminations.



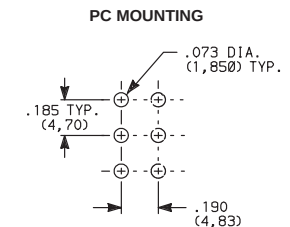
Z SOLDER LUG



C PC THRU-HOLE



OPTION	DIM "A"	DIM "B"
C	.050 [0,76]	.250 [6,35]

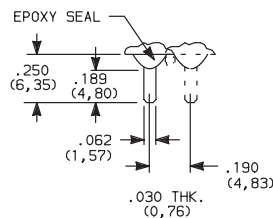


SPDT & DPDT

Not available with P, S or R contact materials.

SPDT & DPDT

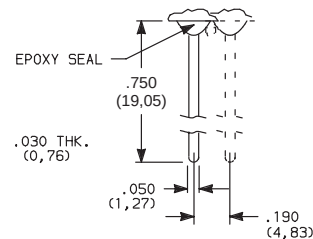
Z3 QUICK CONNECT



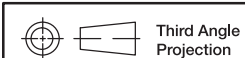
SPDT & DPDT

Not available with P, S or R contact materials. Mating quick connector available; order part number 530100000, page I-16.

W WIRE WRAP



SPDT & DPDT



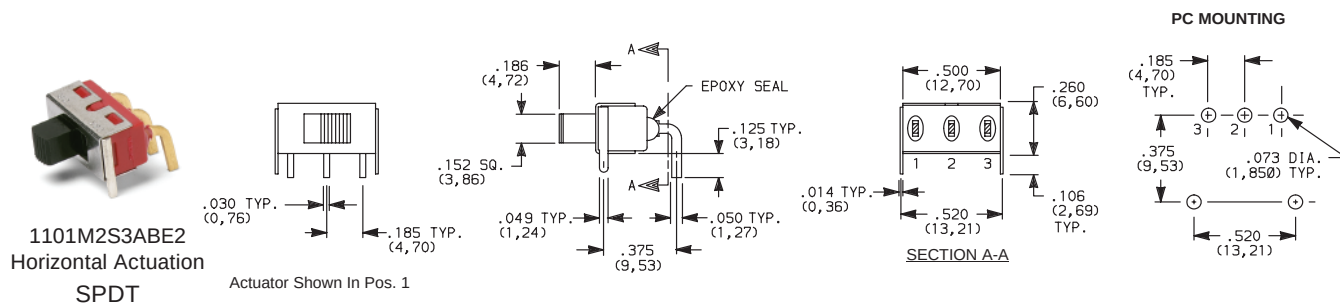
Dimensions are shown: Inches (mm)
Specifications and dimensions subject to change



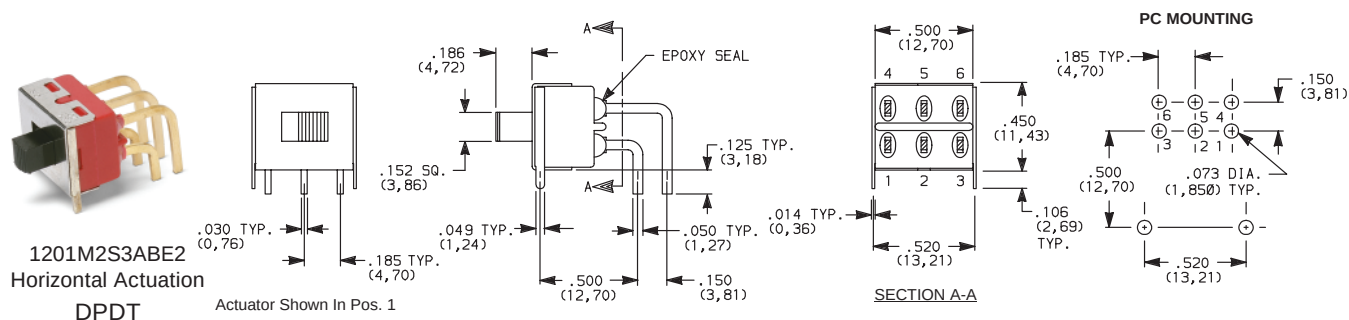
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TERMINATIONS

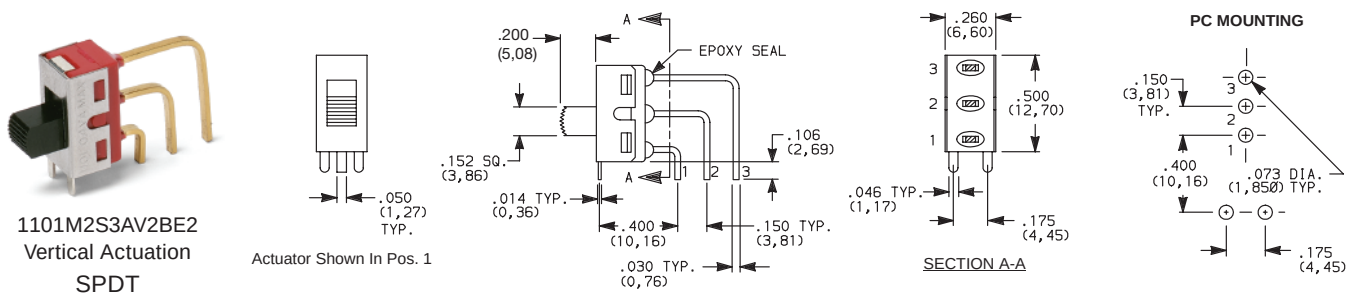
A RIGHT ANGLE, PC THRU-HOLE



A RIGHT ANGLE, PC THRU-HOLE



AV2 VERTICAL RIGHT ANGLE, PC THRU-HOLE,
.150" PITCH

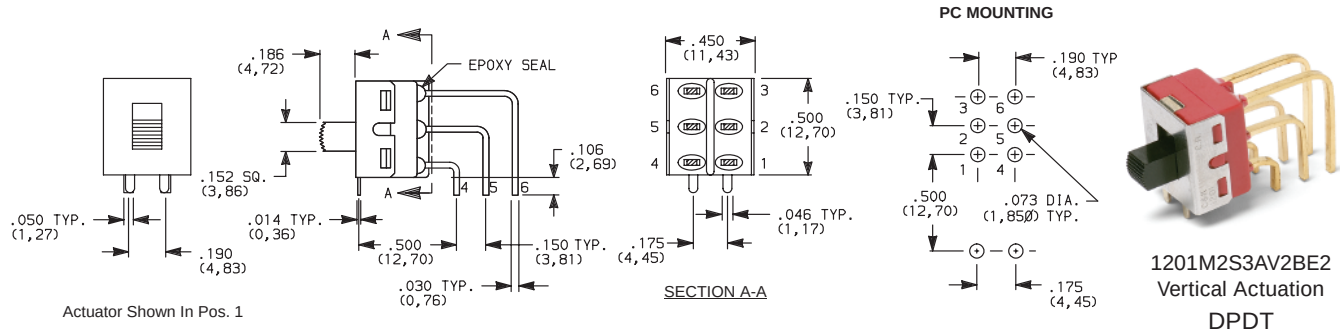


Dimensions are shown: Inch (mm)
Specifications and dimensions subject to change

1000 Series Miniature Slide Switches

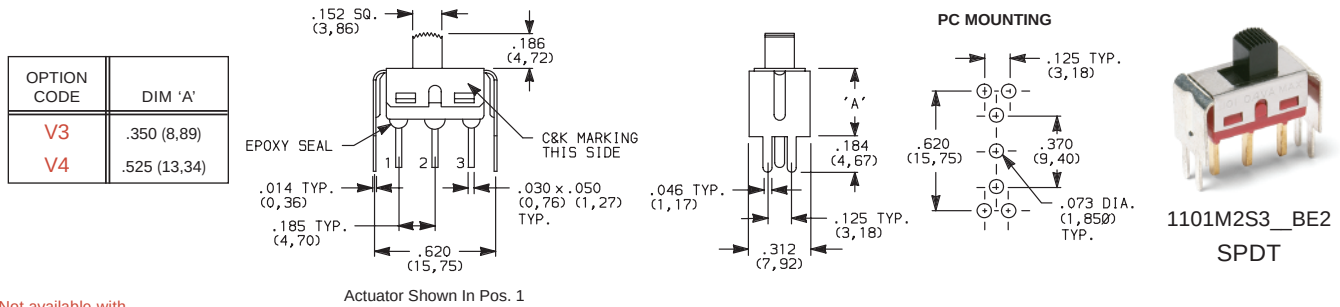
TERMINATIONS

AV2 VERTICAL RIGHT ANGLE, PC THRU-HOLE,
.150" PITCH



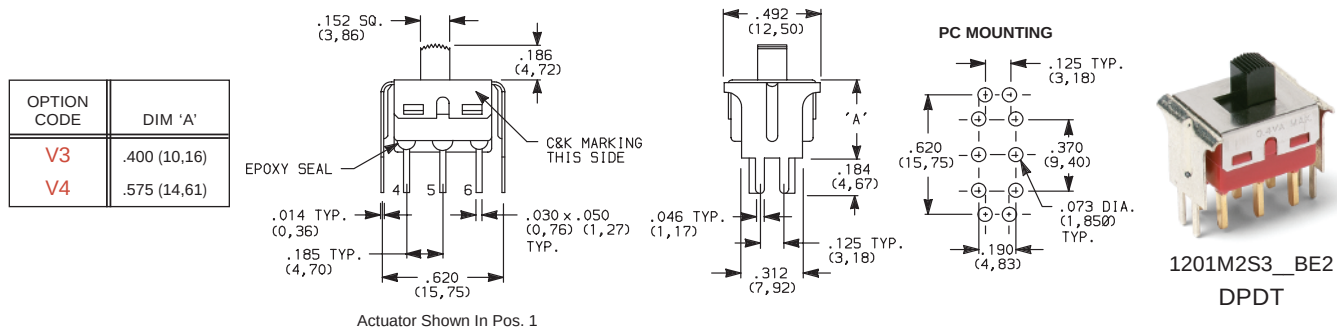
Not available with M1 mounting style, I seal option.
Terminal bend radii and lead-in manufacturing option.

V3, V4 VERTICAL MOUNT,
V-BRACKET

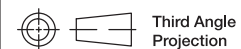


Not available with
M1 mounting style and I seal.

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

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1000 Series Miniature Slide Switches

CONTACT MATERIAL

OPTION CODE	CONTACT MATERIAL	TERMINAL PLATING	RATINGS	
B	GOLD ¹	GOLD ³	LOW LEVEL/ DRY CIRCUIT	0.4 VA MAX. @ 20 V AC OR DC MAX.
P		MATTE-TIN ⁶		
Q	SILVER ^{4,5}	GOLD ³	POWER	6 AMPS @ 120 V AC OR 28 V DC; 3 AMPS @ 250 V AC.
S		MATTE-TIN ⁶		
G	GOLD OVER SILVER ^{2,3}	GOLD ³	LOW LEVEL/DRY CIRCUIT OR POWER	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		MATTE-TIN ⁶		

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

¹ CONTACTS & TERMINALS: Copper alloy, with gold plate over nickel plate.

² END CONTACTS: Coin silver, with gold plate over nickel plate.

³ CENTER CONTACTS & ALL TERMINALS: Copper alloy, with gold plate over nickel plate.

⁴ END CONTACTS: Coin silver, silver plated.

⁵ CENTER CONTACT & ALL TERMINALS: Copper alloy, silver plated.

⁶ TERMINALS: Copper alloy, with matte-tin over nickel plate.
- All models **CALUS** with all options when ordered with G, Q, S or R contact material.

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

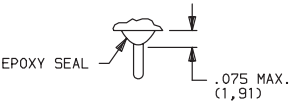
Q contact material standard with C, Z, Z3 terminations.

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

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

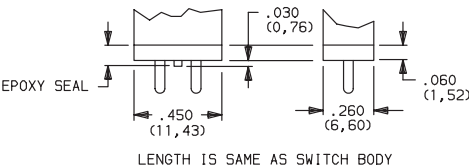
SEAL

E EPOXY SEAL



D NO EPOXY SEAL

I EPOXY POTTED BASE



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