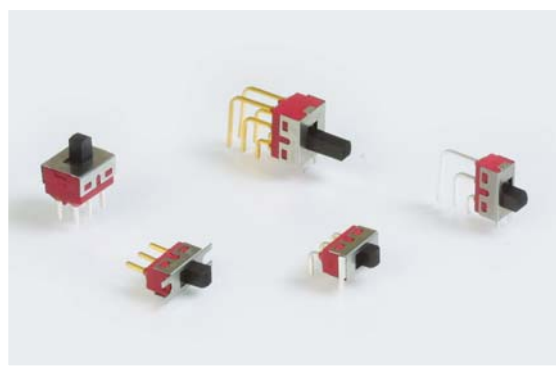


TACT  
SWITCHESNAVIGATION  
SWITCHESPUSHBUTTON  
SWITCHESTOGGLE  
SWITCHESROCKER  
SWITCHESSLIDE  
SWITCHESSNAP-ACTION  
SWITCHESDIP  
SWITCHESKEYLOCK  
SWITCHESROTARY  
SWITCHESDETECTOR  
SWITCHESCAP  
OPTIONS

# SERIES 500 SWITCHES

## SLIDE SWITCHES



### SPECIFICATIONS

Contact Rating:	Gold, 0.4 VA @ 20 VAC or DC Silver, 5A @ 120 VAC, 2A @ 250 VAC
Life Expectancy:	50,000 make-and-break cycles at full load
Contact Resistance:	10 mΩ max. typical @ 2-4 VDC 100mA for both silver and gold plated contacts
Insulation Resistance:	1,000 MΩ min.
Dielectric Strength:	1,000 V rms at sea level
Operating Temperature:	-30°C to 85°C

### FEATURES & BENEFITS

- ▶ Single & double pole options
- ▶ Multiple actuator height options
- ▶ Panel & PC board mountable

### APPLICATIONS/MARKETS

- ▶ Computer servers/peripherals
- ▶ Consumer electronics
- ▶ Instrumentation
- ▶ Test & measurement



### HOW TO ORDER

SERIES	MODEL NO.	ACTUATOR	TERMINATION	CONTACT MATERIAL	SEAL	MOUNTING TAB
500	<div> <div></div> <div></div> <div></div> <div></div> </div>	<div> <div></div> <div></div> </div>	<div> <div></div> <div></div> <div></div> <div></div> </div>	<div> <div></div> </div>	<div> <div></div> </div>	<div> <div></div> </div>
	SSP1 SSP2 SSP3	S1 S2 S3 S4	M1 M2 M3 M5-1 M5-2 M5-3 M5-4 M6 M7 VS2	Q = Silver R = Gold	E = Epoxy Sealed	A = Without Tabs B = With Tabs



**Example Ordering Number**  
500-SSP2-S4-M1-Q-E-B

<div> <div></div> <div></div> </div>	<div> <div></div> <div></div> </div>	<div> <div></div> <div></div> <div></div> <div></div> </div>	<div> <div></div> </div>	<div> <div></div> </div>	<div> <div></div> </div>
SDP1 SDP3	S1 S2 S3 S4	M1 M2 M3 M5-1 M5-2 M5-3 M5-4 M6 M7 VS2	Q = Silver R = Gold	E = Epoxy Sealed	A = Without Tabs B = With Tabs



**Example Ordering Number**  
500-SDP1-S1-M6-R-E-A

Specifications subject to change without notice.10.18.2022

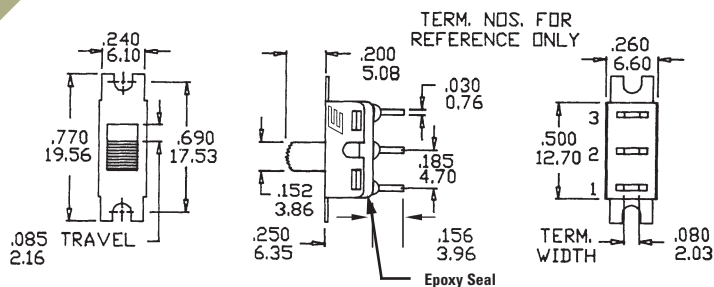


## SPDT



2 Comm.  
1 3

SCHEMATIC



Model No.	POS 1	POS 2	POS 3
SSP-1	ON	NONE	ON
SSP-2	ON	NONE	(ON)
SSP-3	ON	OFF	ON
Term. Comm.	2-1	OPEN	2-3

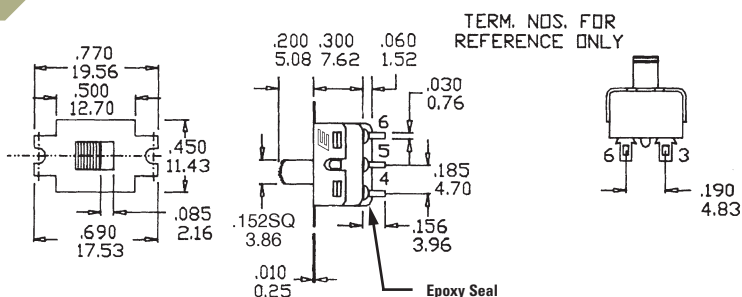
( ) = Momentary

## DPDT



2 Comm. 5 Comm.  
1 3 4 6

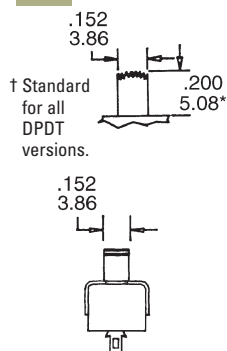
SCHEMATIC



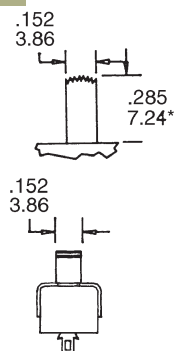
Model No.	POS 1	POS 2	POS 3
SDP-1	ON	NONE	ON
SDP-3	ON	OFF	ON
Term. Comm.	2-1, 5-4	OPEN	2-3, 5-6

## ACTUATOR OPTIONS

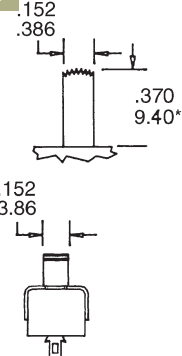
## S1 STD†



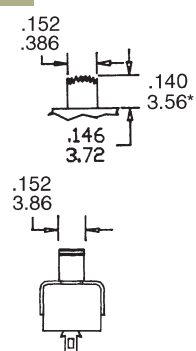
## S2



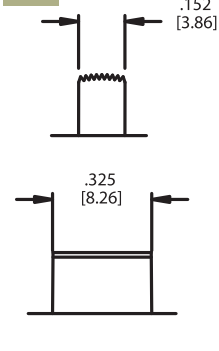
## S3



## S4



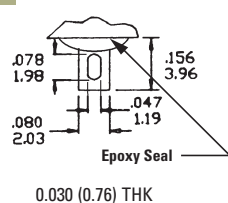
## S5



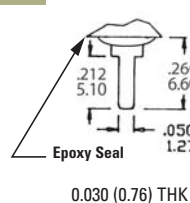
\* Subtract 0.012 (0.301) from actuator height for M6, M7 PC mounting options.

## TERMINATION OPTIONS

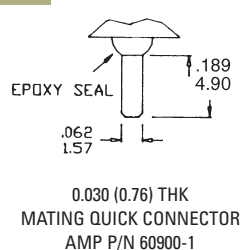
## M1 SOLDER LUG



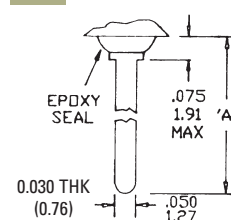
## M2 P.C. MOUNT



## M3 QUICK CONNECT



## M5 WIRE WRAP



Option Code	Dim. 'A'
M51	.736 (18.70)
M52	.953 (24.20)
M53	.415 (10.55)
M54	1.062 (26.97)



# SERIES 500 SWITCHES

## SLIDE SWITCHES

TACT  
SWITCHES

NAVIGATION  
SWITCHES

PUSHBUTTON  
SWITCHES

TOGGLE  
SWITCHES

ROCKER  
SWITCHES

SLIDE  
SWITCHES

SNAP-ACTION  
SWITCHES

DIP  
SWITCHES

KEYLOCK  
SWITCHES

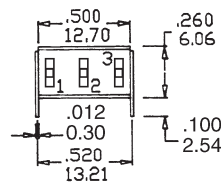
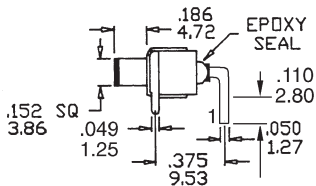
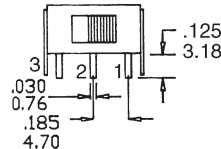
ROTARY  
SWITCHES

DETECTOR  
SWITCHES

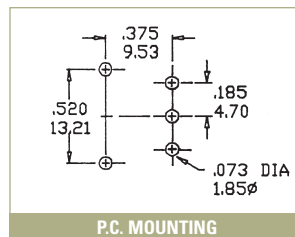
CAP  
OPTIONS

### M6

SPDT



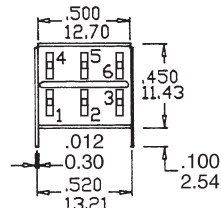
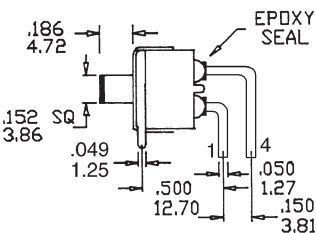
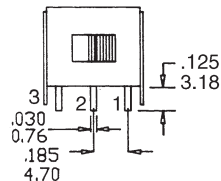
TERM. NOS. FOR  
REFERENCE ONLY



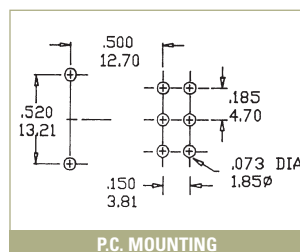
P.C. MOUNTING

### M6

DPDT



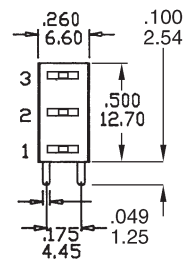
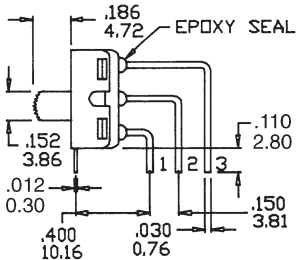
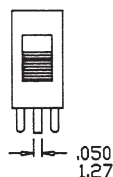
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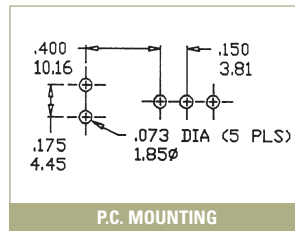
P.C. MOUNTING

### M7

SPDT



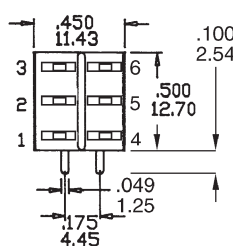
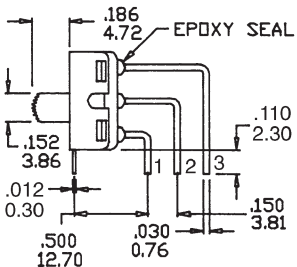
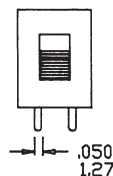
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REFERENCE ONLY



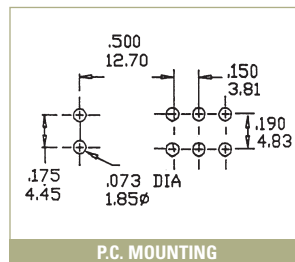
P.C. MOUNTING

### M7

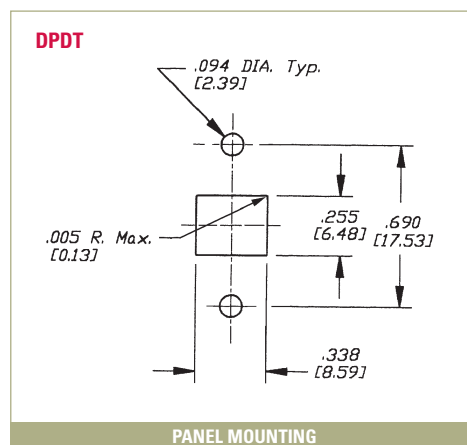
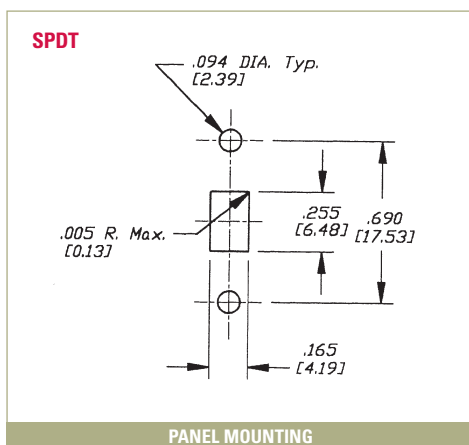
DPDT



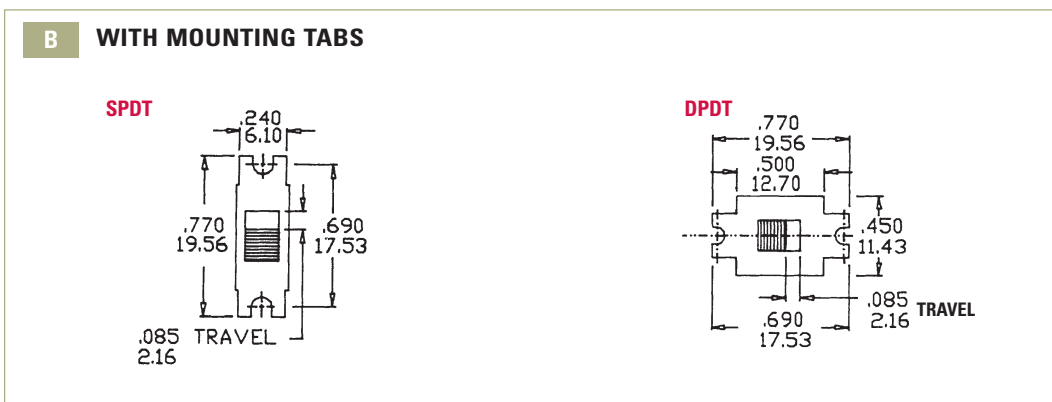
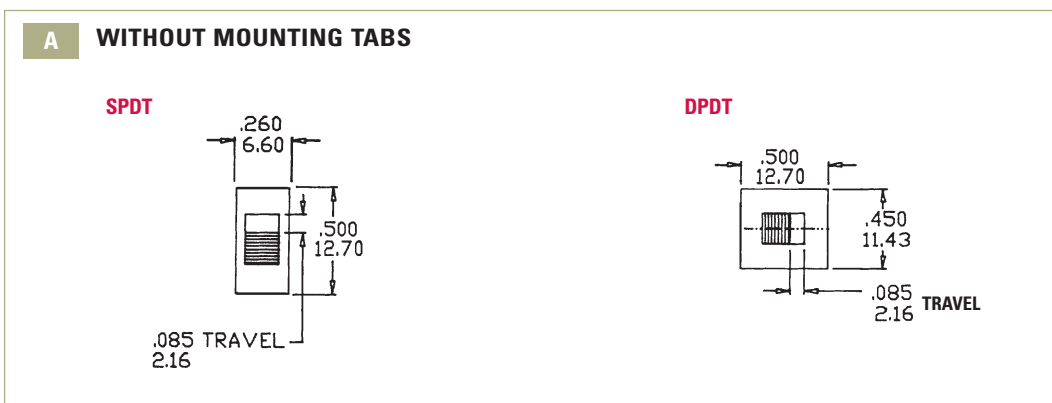
TERM. NOS. FOR  
REFERENCE ONLY



P.C. MOUNTING



## MOUNTING TABS



## CONTACT MATERIAL OPTIONS

**Q**

Fixed Terminal:	Silver plated copper alloy
Moving Contact:	Silver plated copper alloy
Rating:	5 Amps with resistive load @ 120VAC or 28VDC 2 Amps with resistive load @ 250VAC

**R**

Fixed Terminal:	Copper alloy with gold plate over nickel plate
Moving Contact:	Copper alloy with gold plate over nickel plate
Rating:	0.4 Volt-Amps (VA) max. @ 20V max. (AC or DC)