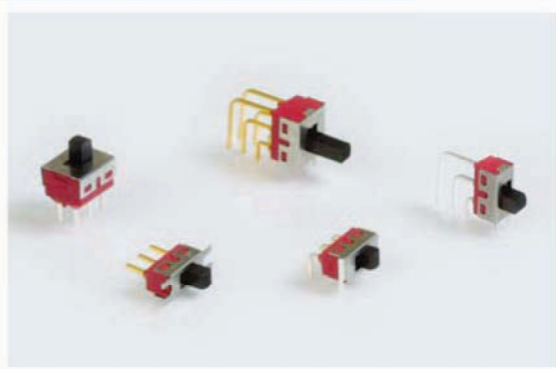




# SERIES 500 SWITCHES

## SLIDE SWITCHES

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

### FEATURES & BENEFITS

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

### APPLICATIONS/MARKETS

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

### SPECIFICATIONS

|                        |                                                                                |
|------------------------|--------------------------------------------------------------------------------|
| Contact Rating:        | Gold, 0.4 VA @ 20 VAC or DC<br>Silver, 5A @ 120 VAC, 2A @ 250 VAC cURus        |
| Life Expectancy:       | 30,000 make-and-break cycles at full load                                      |
| Contact Resistance:    | 10 mΩ max. typical @ 2-4 VDC<br>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                                                                  |

### MATERIALS

|               |                                    |
|---------------|------------------------------------|
| Case:         | Diallyl phthalate (DAP), UL 94V0   |
| Housing:      | Stainless steel                    |
| Slide Handle: | Nylon UL 94HB                      |
| Contacts:     | Silver or gold plated copper alloy |



### 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> | <div> <div></div> </div> | <div> <div></div> </div> | <div> <div></div> </div>          |
|        | SSP1<br>SSP2<br>SSP3                                         | S1<br>S2<br>S3<br>S4                 | M1<br>M2<br>M3<br>M5-1<br>M5-2<br>M5-3<br>M5-4<br>M6<br>M7<br>VS2                                                                    | Q = Silver<br>R = Gold   | E = Epoxy<br>Sealed      | A = Without Tabs<br>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> | <div> <div></div> </div> | <div> <div></div> </div> | <div> <div></div> </div>          |
| SDP1<br>SDP3                         | S1<br>S2<br>S3<br>S4<br>S5           | M1<br>M2<br>M3<br>M5-1<br>M5-2<br>M5-3<br>M5-4<br>M6<br>M7<br>VS2                                                                    | Q = Silver<br>R = Gold   | E = Epoxy<br>Sealed      | A = Without Tabs<br>B = With Tabs |



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

Specifications subject to change without notice.

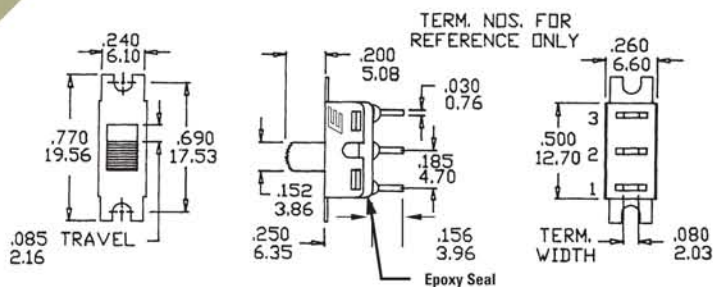


## SPDT



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   |

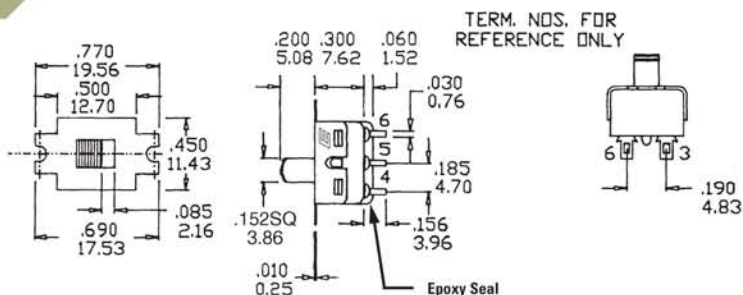
( ) = Momentary

## DPDT



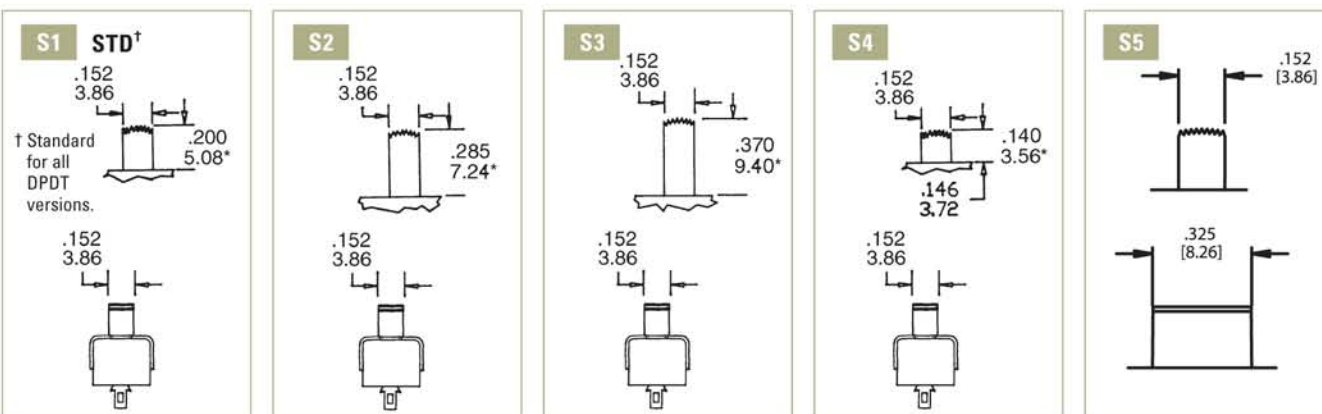
2 Comm. 5 Comm.  
1 3 4 6

SCHEMATIC



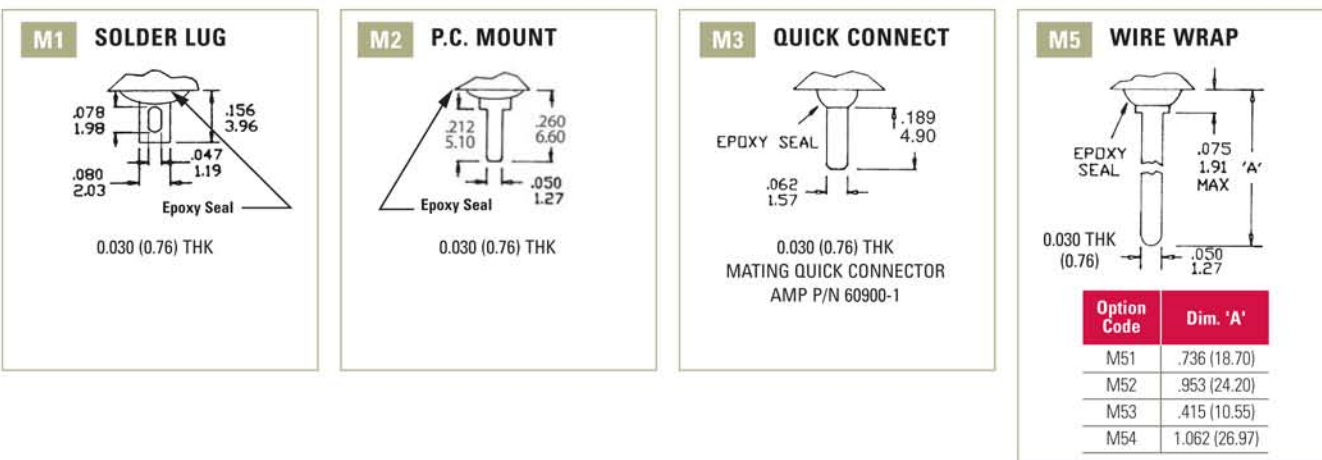
| Model No.   | POS 1    | POS 2 | POS 3    |
|-------------|----------|-------|----------|
| SDP-1       | ON       | NONE  | ON       |
| SDP-3       | ON       | OFF   | ON       |
| Term. Comm. | 2-1, 5-4 | OPEN  | 2-3, 5-6 |

## ACTUATOR OPTIONS



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

## TERMINATION OPTIONS



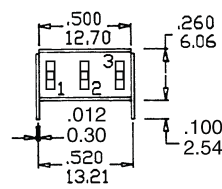
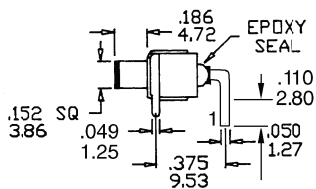
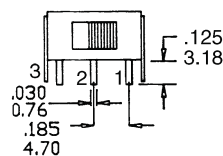
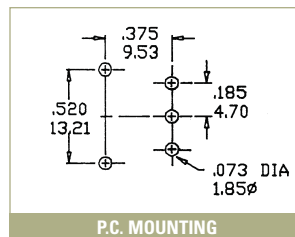
TACT  
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SWITCHESCAP  
OPTIONS

# SERIES 500 SWITCHES

## SLIDE SWITCHES

### M6

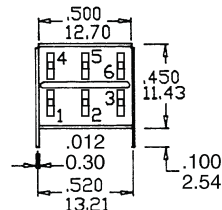
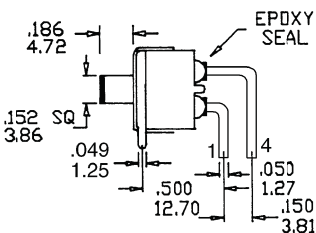
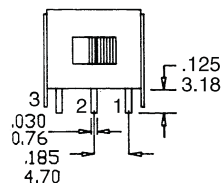
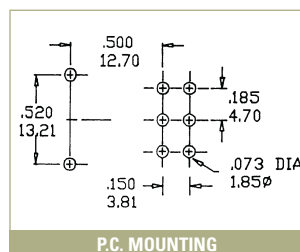
SPDT

TERM. NOS. FOR  
REFERENCE ONLY

P.C. MOUNTING

### M6

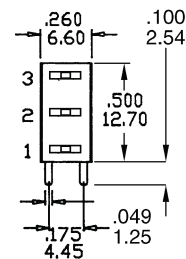
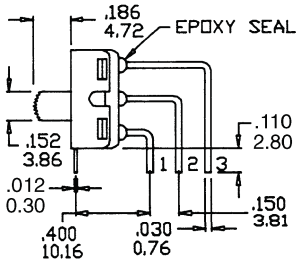
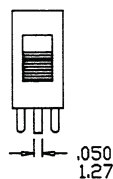
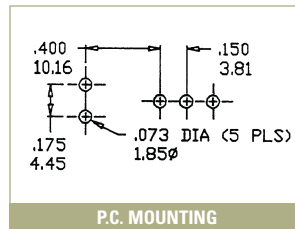
DPDT

TERM. NOS. FOR  
REFERENCE ONLY

P.C. MOUNTING

### M7

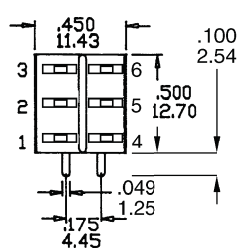
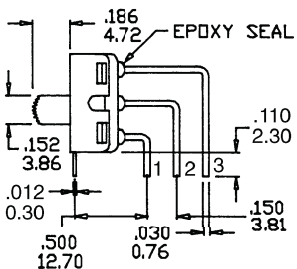
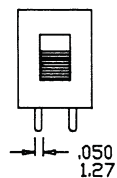
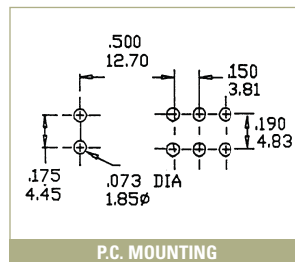
SPDT

TERM. NOS. FOR  
REFERENCE ONLY

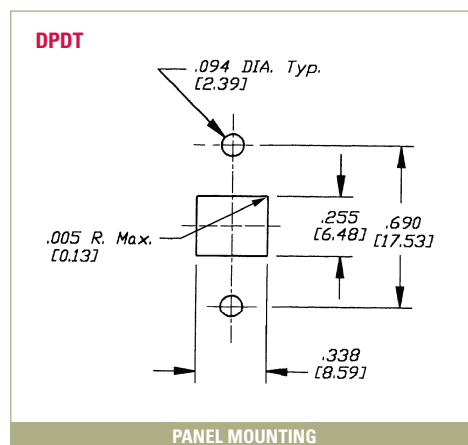
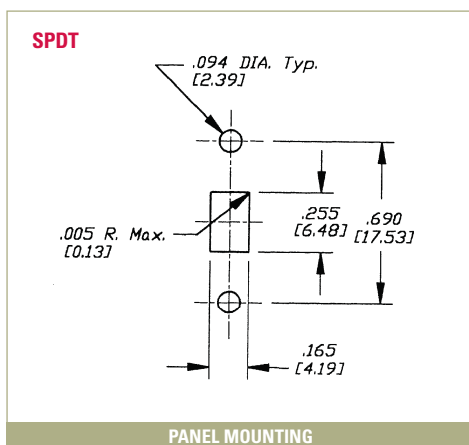
P.C. MOUNTING

### M7

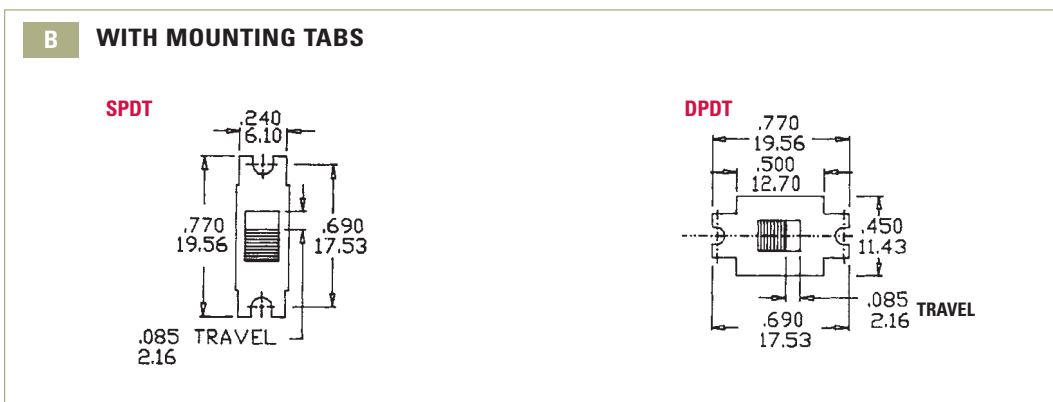
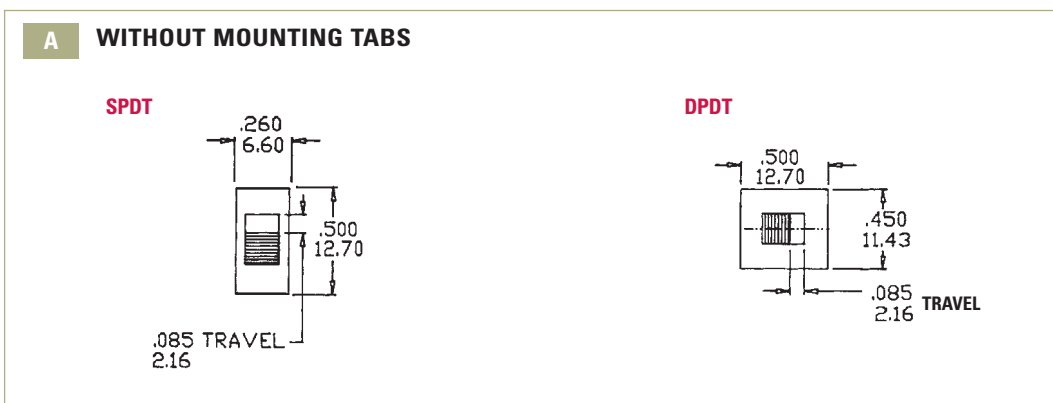
DPDT

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<br>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)  |