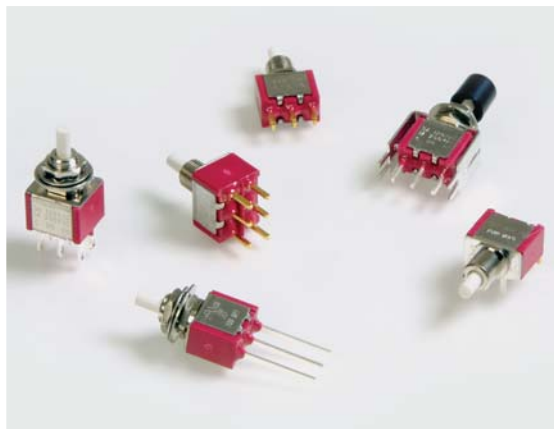


# SERIES 700 SWITCHES

## PUSHBUTTON SWITCHES - SNAP-ACTING



### FEATURES & BENEFITS

- ▶ Snap acting contact design
- ▶ Gold & silver contact options
- ▶ Multiple termination options
- ▶ Snap-in panel mount option

### APPLICATIONS/MARKETS

- ▶ Telecommunications
- ▶ Networking
- ▶ Computers/servers
- ▶ Performance audio
- ▶ Instrumentation
- ▶ Low power on/off designs
- ▶ External hard drives and modems

### SPECIFICATIONS

|                        |                                                                               |
|------------------------|-------------------------------------------------------------------------------|
| Contact Ratings:       | 1A @ 250 VAC<br>3A @ 120 VAC or 28 VDC                                        |
| Life Expectancy:       | 50,000 cycles typical                                                         |
| Contact Resistance:    | 20mΩ 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 @ sea level                                                       |
| Actuation Force:       | 200 ± 50 gf                                                                   |
| Operating Temperature: | -30°C to +85°C                                                                |
| Travel:                | 1.20mm Typ                                                                    |

### MATERIALS

|           |                                              |
|-----------|----------------------------------------------|
| Case:     | DAP                                          |
| Plunger:  | Glass filled nylon or glass filled polyester |
| Bushing:  | Nickel plated brass                          |
| Frame:    | Stainless steel                              |
| Contacts: | Silver or Gold plated copper alloy           |

### HOW TO ORDER

| SERIES | MODEL NO.  | BUSHING                  | TERMINATION                                               | CONTACT MATERIAL       | SEAL                                          | HARDWARE        | CAP             | CAP COLOR |
|--------|------------|--------------------------|-----------------------------------------------------------|------------------------|-----------------------------------------------|-----------------|-----------------|-----------|
| 700    | SP7<br>DP7 | B10<br>B11<br>B20<br>B21 | M1 VS2<br>M2 VS3<br>M51 VS4<br>M52 VS5<br>M53<br>M6<br>M7 | Q = Silver<br>R = Gold | E = Epoxy<br>Sealed at<br>Base of<br>Terminal | H =<br>Hardware | See Cap Options |           |

**Example Ordering Number**  
700-DP7-B10-M1-Q-E-H-C1-BLK

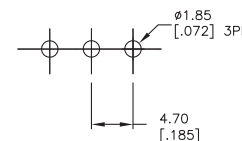
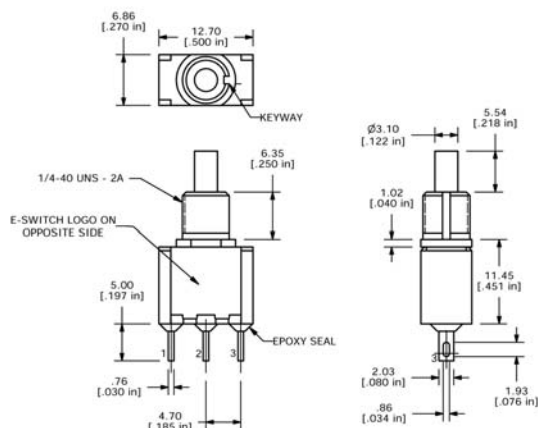
Specifications subject to change without notice.

## SPDT



| Model No.  | Type    |
|------------|---------|
| SP-7       | ON (ON) |
| Term. Comm | 1-3 1-2 |

( ) = Momentary



P.C. MOUNTING



SCHEMATIC



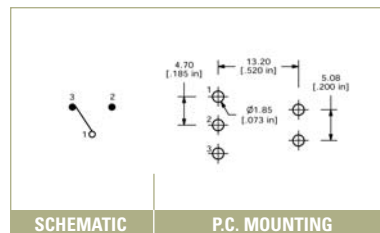
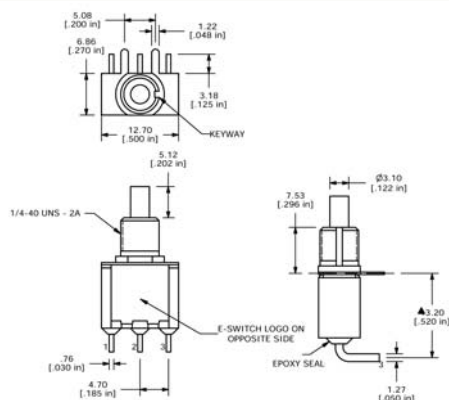
TACT  
SWITCHESNAVIGATION  
SWITCHESPUSHBUTTON  
SWITCHESTOGGLE  
SWITCHESROCKER  
SWITCHESSLIDE  
SWITCHESSNAP-ACTION  
SWITCHESDIP  
SWITCHESKEYLOCK  
SWITCHESROTARY  
SWITCHESDETECTOR  
SWITCHESCAP  
OPTIONS

# SERIES 700 SWITCHES

## PUSHBUTTON SWITCHES - SNAP-ACTING

M6

SPDT

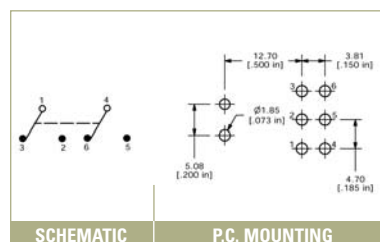
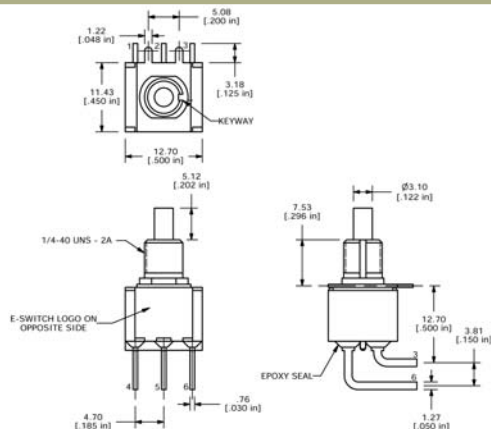


SCHEMATIC

P.C. MOUNTING

M6

DPDT

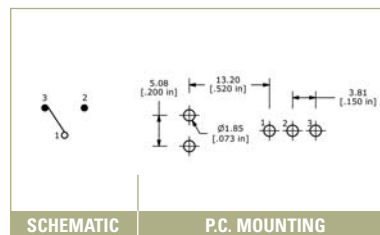
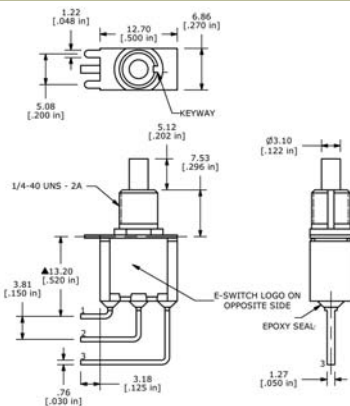


SCHEMATIC

P.C. MOUNTING

M7

SPDT

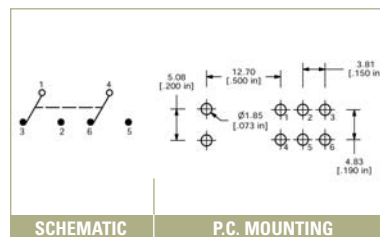
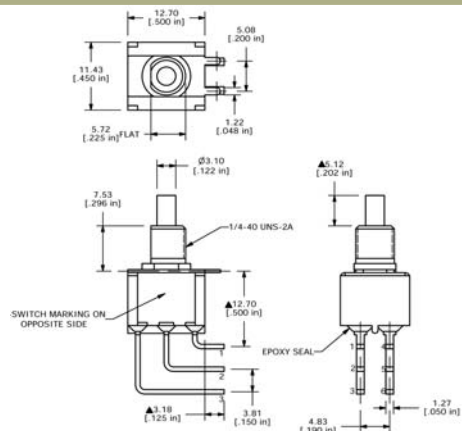


SCHEMATIC

P.C. MOUNTING

M7

DPDT



SCHEMATIC

P.C. MOUNTING

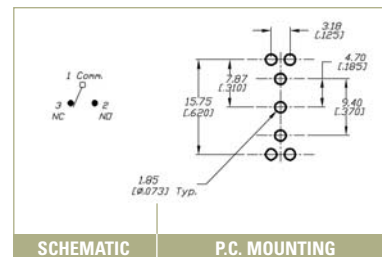
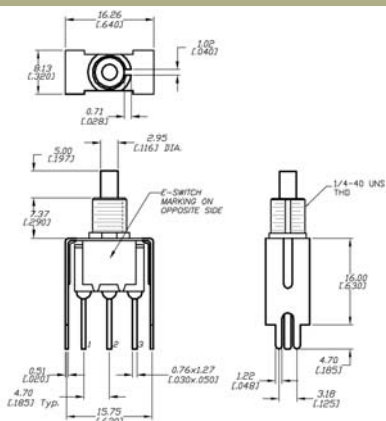


## VS2 or VS3

SPDT



| Option Code | Dim. 'A'     |
|-------------|--------------|
| VS2         | .460 (11.68) |
| VS3         | .630 (16.00) |

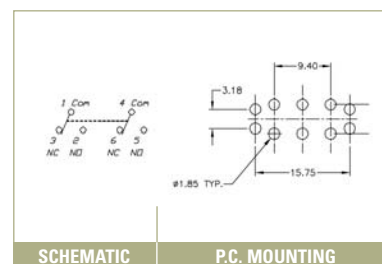
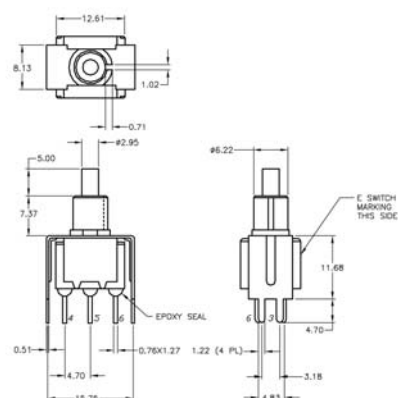


## VS2 or VS3

DPDT



| Option Code | Dim. 'A'     |
|-------------|--------------|
| VS2         | .460 (11.68) |
| VS3         | .630 (16.00) |

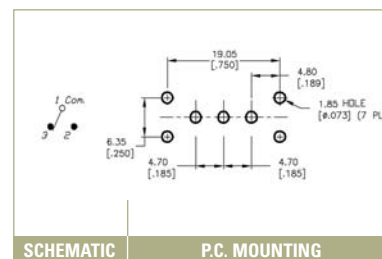
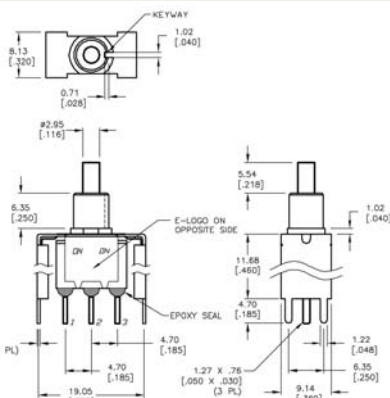


## VS4 or VS5

SPDT



| Option Code | Dim. 'A'     |
|-------------|--------------|
| VS4         | .460 (11.68) |
| VS5         | .630 (16.00) |

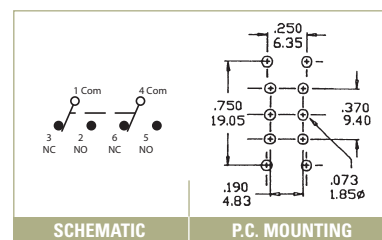
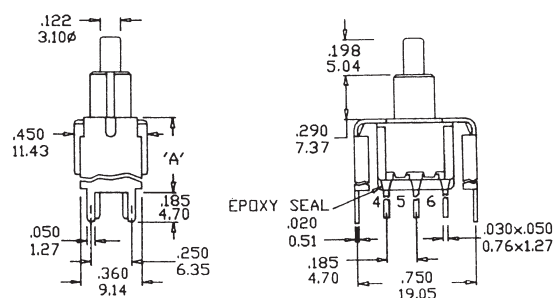


## VS4 or VS5

DPDT



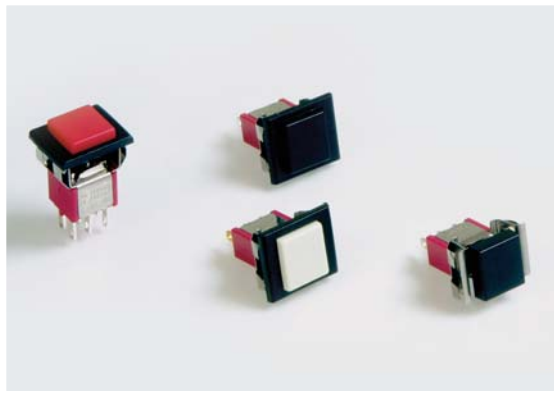
| Option Code | Dim. 'A'     |
|-------------|--------------|
| VS4         | .460 (11.68) |
| VS5         | .630 (16.00) |



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

# SERIES 700 SWITCHES

## PUSHBUTTON SWITCHES - SNAP-ACTING PANEL MOUNTED



### FEATURES & BENEFITS

- ▶ Snap acting contact design
- ▶ Gold & silver contact options
- ▶ Multiple termination options
- ▶ Snap-in panel mount option

### APPLICATIONS/MARKETS

- ▶ Telecommunications
- ▶ Networking
- ▶ Computers/servers
- ▶ Performance audio
- ▶ Instrumentation
- ▶ Low power on/off designs
- ▶ External hard drives and modems

### SPECIFICATIONS

|                        |                                                                                 |
|------------------------|---------------------------------------------------------------------------------|
| Contact Rating:        | 1A @ 250 VDC<br>3A @ 120 VDC or 28VDC                                           |
| Life Expectancy:       | 50,000 cycles typical                                                           |
| Contact Resistance:    | 10mΩ 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                                                        |
| Actuation Force:       | 200 ± 50 gf                                                                     |
| Operating Temperature: | -30°C to +85°C                                                                  |

### MATERIALS

|           |                                              |
|-----------|----------------------------------------------|
| Case:     | Diallyl Phthalate (DAP)                      |
| Plunger:  | Glass filled nylon or glass filled polyester |
| Bushing:  | Nickel plated brass                          |
| Housing:  | Stainless steel                              |
| Contacts: | Silver or Gold plated copper alloy           |



### HOW TO ORDER

| SERIES | MODEL NO.  | TERMINATION | CONTACT MATERIAL       | SEAL                                          | CAP/FRAME  | CAP COLOR                                             | FRAME COLOR                                           |
|--------|------------|-------------|------------------------|-----------------------------------------------|------------|-------------------------------------------------------|-------------------------------------------------------|
| 700    | SP7<br>DP7 | M1<br>M3    | Q = Silver<br>R = Gold | E = Epoxy<br>Sealed at<br>Base of<br>Terminal | AP1<br>AP2 | BLK = Black<br>RED = Red<br>GRY = Grey<br>WHT = White | BLK = Black<br>RED = Red<br>GRY = Grey<br>WHT = White |



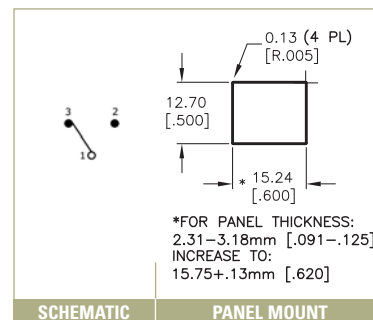
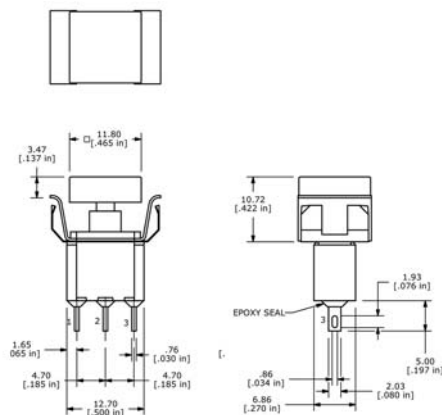
### Example Ordering Number

700-DP7-M1-Q-E-AP1-RED-RED

Specifications subject to change without notice.

## AP1

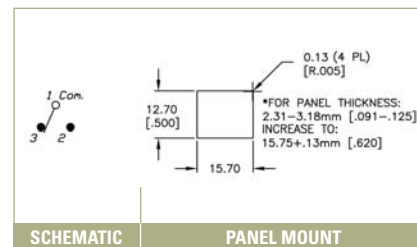
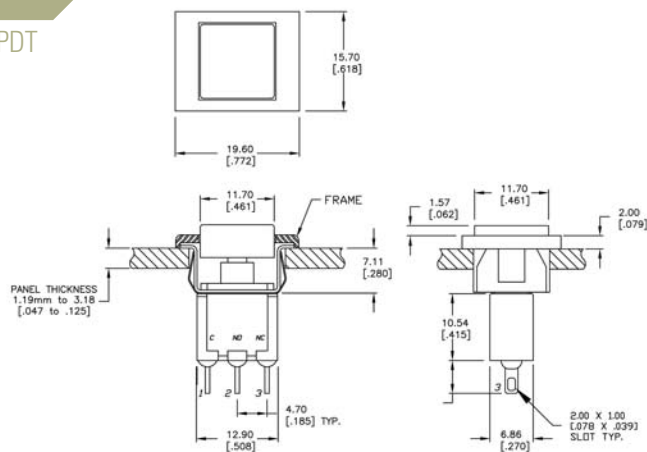
### CAP/FRAME SPDT





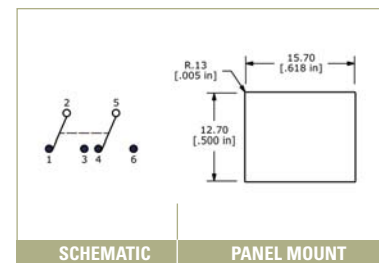
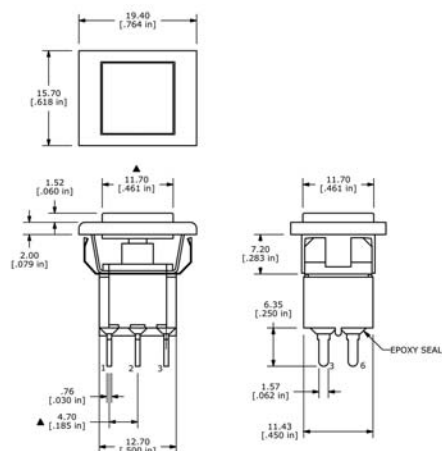
## AP2

CAP/FRAME SPDT



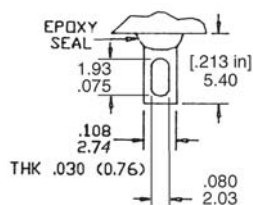
## AP2

CAP/FRAME DPDT

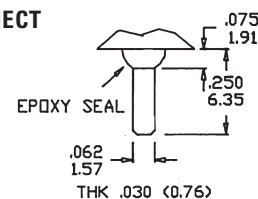


## TERMINATION OPTIONS FOR PANEL MOUNT

## M1 SOLDER LUG



## M3 QUICK CONNECT



## CONTACT MATERIAL OPTIONS

## Q

|                 |                                              |
|-----------------|----------------------------------------------|
| Fixed Terminal: | Silver plated copper alloy                   |
| Moving Contact: | Silver plated copper alloy                   |
| Rating:         | 1 AMP @ 250 VAC<br>3 AMP @ 125 VAC or 28 VDC |

## R

|                 |                                                |
|-----------------|------------------------------------------------|
| Fixed Terminal: | Copper alloy with gold plate over nickel plate |
| Moving Contact: | Copper alloy with gold plate over nickel plate |
| Rating:         | 0.4 VA max. @ 20 VAC                           |