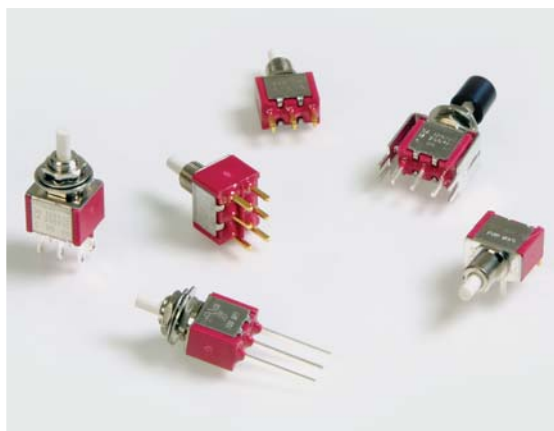


SERIES 700 SWITCHES

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 3A @ 120 VAC or 28 VDC
Life Expectancy:	50,000 cycles typical
Contact Resistance:	20mΩ 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 @ 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 DP7	B10 B11 B20 B21	M1 VS2 M2 VS3 M51 VS4 M52 VS5 M53 M6 M7	Q = Silver R = Gold	E = Epoxy Sealed at Base of Terminal	H = Hardware	See Cap Options	

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

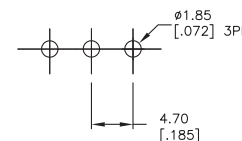
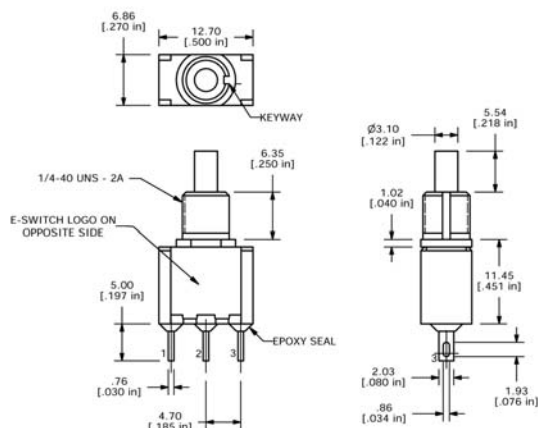
Specifications subject to change without notice.

SPDT



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

() = Momentary



P.C. MOUNTING



SCHEMATIC

CAP
OPTIONS

The technical drawing consists of two parts: a schematic and a detailed view of the P.C. Mounting.

Schematic: A simplified diagram showing three points labeled 1, 2, and 3. Point 1 is at the bottom left, point 2 is at the top right, and point 3 is at the top left. A line connects point 1 to point 3.

P.C. Mounting: A detailed view of the mounting plate. It is a rectangular plate with four mounting holes. The dimensions are as follows:

- Overall width: 5.08 [1.200 in]
- Overall height: 4.70 [1.185 in]
- Distance between the centers of the two top holes: 13.20 [520 in]
- Distance between the centers of the two bottom holes: 13.20 [520 in]
- Distance from the left edge to the center of the left hole: 4.70 [1.185 in]
- Distance from the right edge to the center of the right hole: 4.70 [1.185 in]
- Distance from the top edge to the center of the top holes: 4.70 [1.185 in]
- Distance from the bottom edge to the center of the bottom holes: 4.70 [1.185 in]
- Hole diameter: $\varnothing 1.85$ [0.73 in]

SCHEMATIC

P.C. MOUNTING

The technical drawing illustrates the P.C. mounting. The left side shows a schematic with four points labeled 1, 2, 3, and 4. Points 1 and 2 are connected by a dashed line, and points 3 and 4 are connected by a solid line. The right side shows a detailed view of the mounting with dimensions in millimeters (mm) and inches (in). The dimensions are: 5.08 [200 in] for the vertical distance from the center of the mounting to the center of the hole; 12.70 [500 in] for the horizontal distance between the center of the mounting and the center of the hole; 3.81 [150 in] for the vertical distance from the center of the mounting to the center of the hole; and 4.83 [190 in] for the vertical distance from the center of the mounting to the center of the hole. The hole diameter is specified as Ø1.85 [Ø73 in].

SCHEMATIC

P.C. MOUNTING

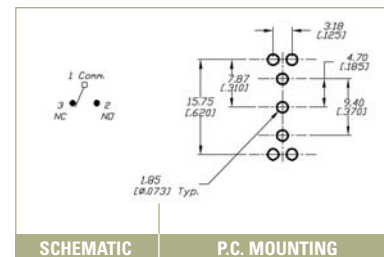
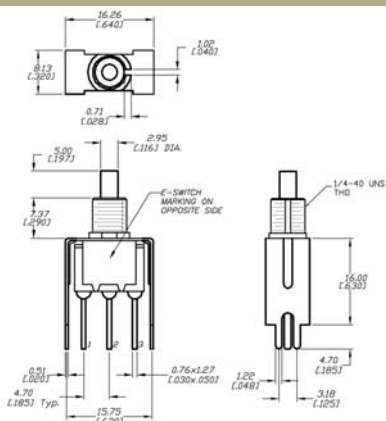


VS2 or VS3

SPDT



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

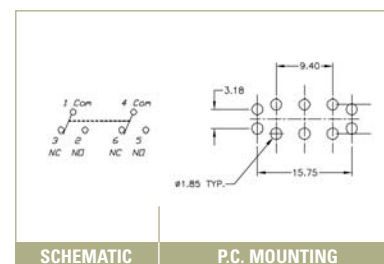
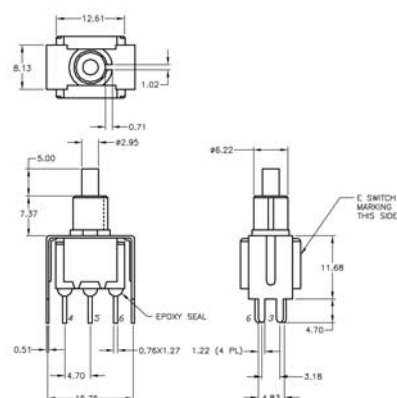


VS2 or VS3

DPDT



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

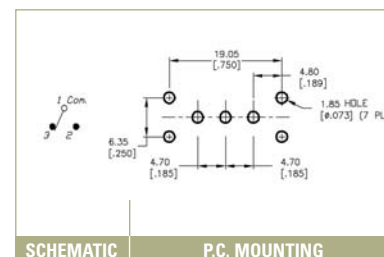
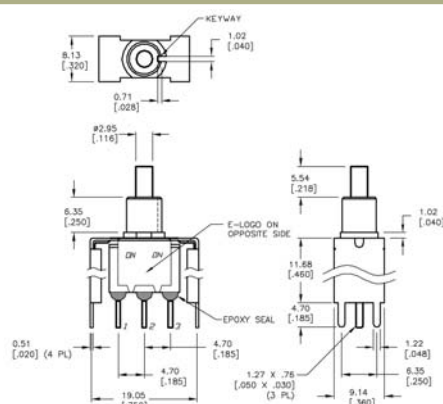


VS4 or VS5

SPDT



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

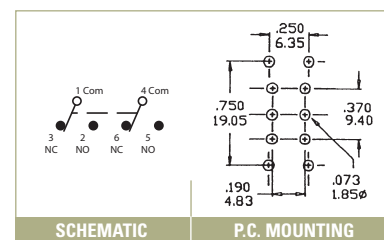
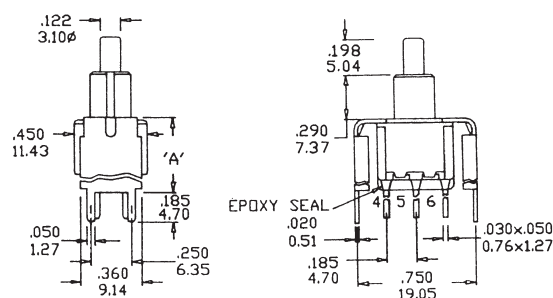


VS4 or VS5

DPDT



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



Mouser Electronics

Authorized Distributor

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E-Switch:

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[700SP7B20M7RE](#) [700DP7B10M2REH](#) [700SP7B10M7QEH](#) [700SP7B10M1QEHC1BLK](#) [700SP7B10VS2REH](#)
[700SP7M1QEAP2REDBLK](#) [700SP7M1REAP1BLK](#) [700SP7M1REAP2BLKBLK](#) [700SP7M1REAP2REDBLK](#)
[700SP7M1REAP2WHTBLK](#) [700SP7M3QEAP2BLKBLK](#) [700DP7B10M1QE](#) [700DP7B10M1QEC2BLK](#)
[700DP7B10M1QEH](#) [700DP7B10M1RE](#) [700DP7B10M1REC2RED](#) [700DP7B10M1REC3BLK](#) [700DP7B10M2QE](#)
[700DP7B10M2QEC1BLK](#) [700DP7B10M2QEC1RED](#) [700DP7B10M2RE](#) [700DP7B10M6QEH](#) [700DP7B10M7QEH](#)
[700DP7B10VS2REC1BLK](#) [700DP7B10VS3RE](#) [700DP7B10VS3REH](#) [700DP7B11M1REH](#) [700DP7B11M2RE](#)
[700DP7B11M2REH](#) [700DP7B11M6QE](#) [700DP7B11M6QEH](#) [700DP7B11M7RE](#) [700DP7B11M7REH](#)
[700DP7B20M2QE](#) [700DP7B20M6QE](#) [700DP7B20M6QEC1GRN](#) [700DP7B20M7RE](#) [700DP7B20VS2QE](#)
[700DP7B20VS2RE](#) [700DP7B20VS2REC2BLK](#) [700DP7B21M6QE](#) [700DP7M3QEAP2BLKBLK](#) [700SP7B10M1RE](#)
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[700SP7B20M7QEC1BLK](#) [700SP7B20VS2QE](#) [700SP7B20VS3QE](#) [700SP7B20VS3REC1WHT](#)
[700SP7B20VS4QEC2BLK](#) [700SP7B20VS5RE](#) [700SP7B21M1QE](#) [700SP7B21M2RE](#) [700SP7B21M6QE](#)
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