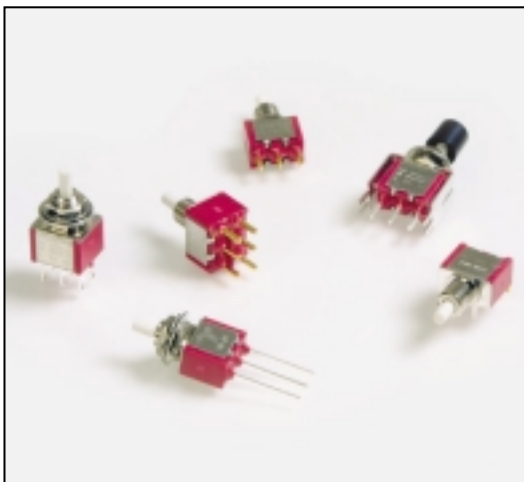




SPECIFICATIONS

Ratings: 1A @ 250 VAC
3A @ 120 VAC

Electrical Life: 50,000 cycles typical

Contact Resistance: 10 mΩ max. typical @ 2-4 VD
100mA for both silver and gold plated contacts

Insulation Resistance: 1,000 MΩ min.

Dielectric Strength: 1,000 V RMS @ sea level

Operating Force: 200 ± 50 gf

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

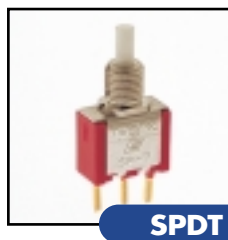
HOW TO ORDER

Series	Model No.	Bushing	Termination	Contact Material	Seal	Cap	Cap Color
700	SP7 DP7	B10 B11 B20 B21	M1 M2 M5 M6 M7 VS2 / VS3 VS4 / VS5	Q=Silver R=Gold	E=Epoxy Seal at Base of Terminal	See Cap Section	

EXAMPLE

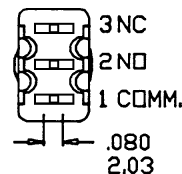
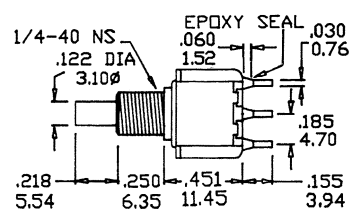
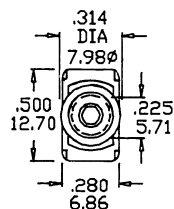
700 → DP7 → B10 → M1 → Q → E → C1 → BLK

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.



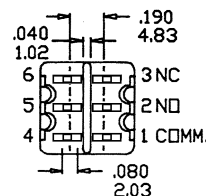
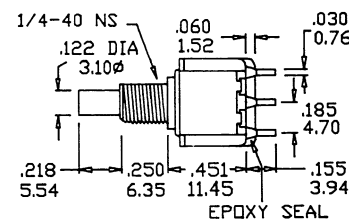
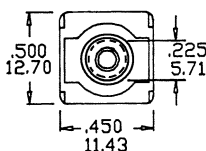
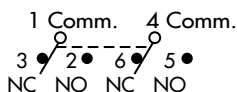
Model No.	TYPE	
SP-7	ON	(ON)
Term. Comm	1-3	1-2

Schematic () = Momentary



Model No.	TYPE	
DP-7	ON	(ON)
Term. Comm	1-3, 4-6	1-2, 4-5

Schematic () = Momentary



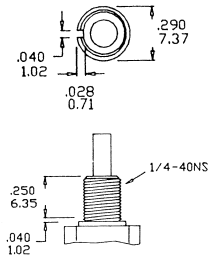
SNAP-ACTING PUSHBUTTON SWITCHES

BUSHING OPTIONS FOR P.C. MOUNTING

KEYWAY

B10 THD STD

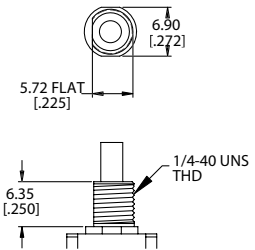
B20 NON-THD



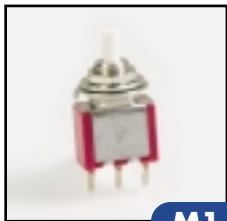
FLAT

B11 THD STD

B21 NON-THD

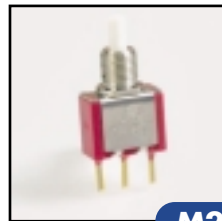


TERMINATION OPTIONS FOR P.C. MOUNTING



M1

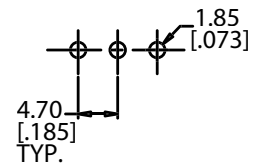
Solder Lug



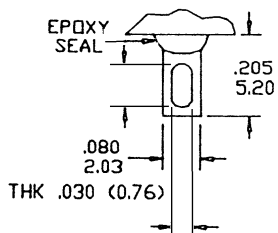
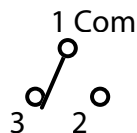
M2

P.C. Mount

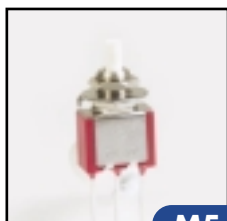
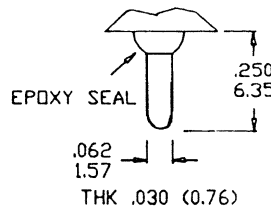
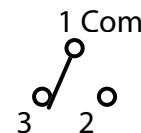
P.C. MOUNTING



Schematic

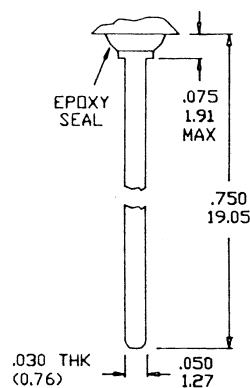


Schematic



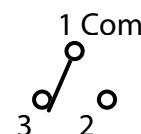
M5

Wire Wrap



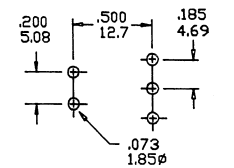
OPTION CODE	DIM. 'A'
M5-1	.750 (19.05)
M5-2	.964 (24.48)
M5-3	.425 (10.80)
M5-4	.062 (26.97)

Schematic

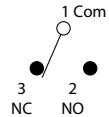


SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

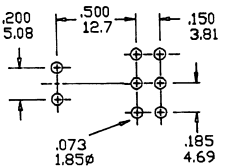
P.C. MOUNTING



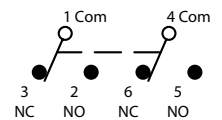
Schematic



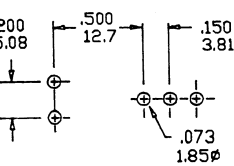
P.C. MOUNTING



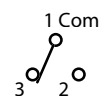
Schematic



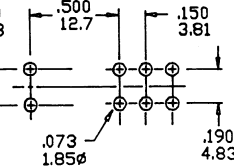
P.C. MOUNTING



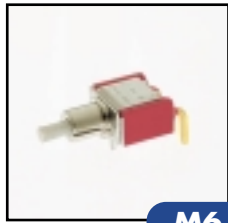
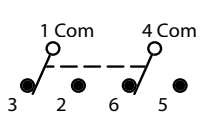
Schematic



P.C. MOUNTING

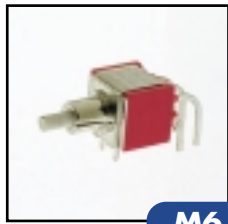
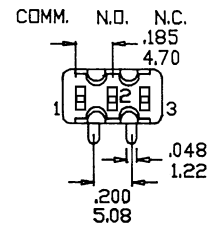
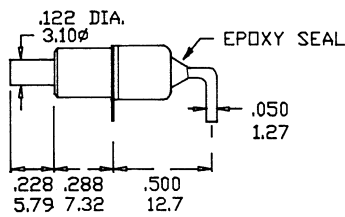
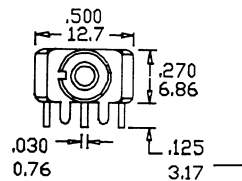


Schematic



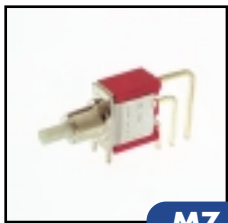
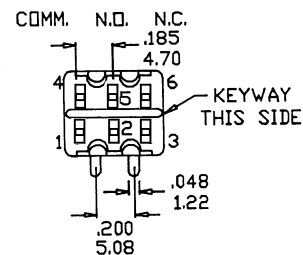
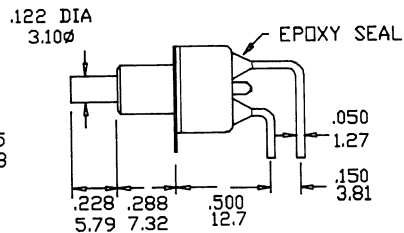
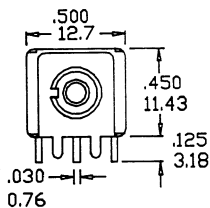
M6

SPDT



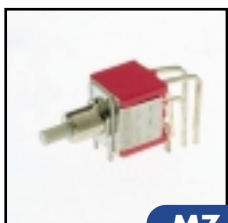
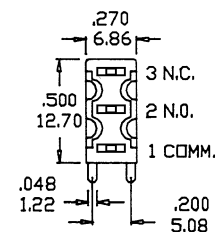
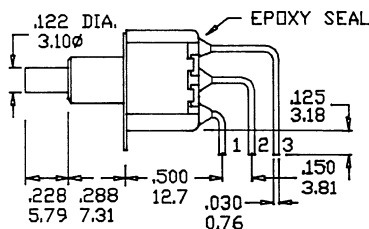
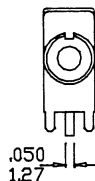
M6

DPDT



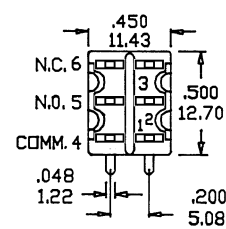
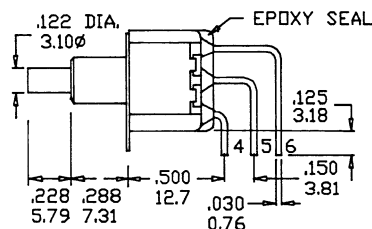
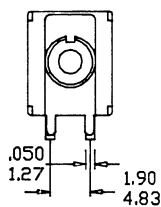
M7

SPDT



M7

DPDT



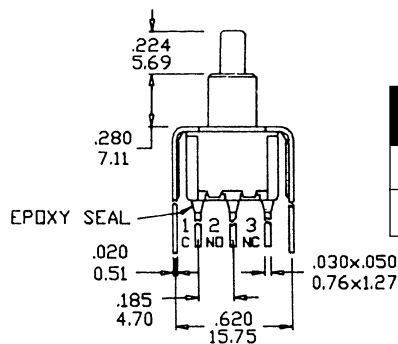
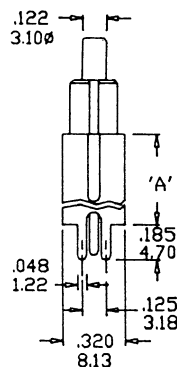
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

SNAP-ACTING PUSHBUTTON SWITCHES



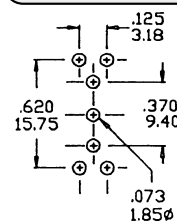
VS2-VS3

SPDT

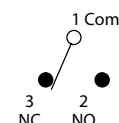


OPTION CODE	DIM. 'A'
VS2	.460 11.68
VS3	.630 16.00

P.C. MOUNTING

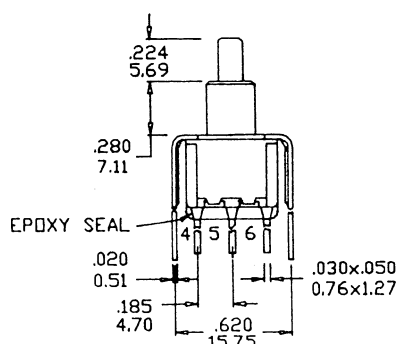
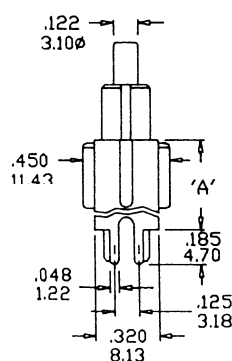


Schematic



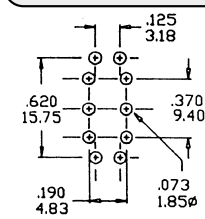
VS2-VS3

DPDT

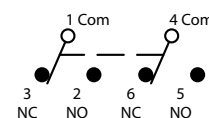


OPTION CODE	DIM. 'A'
VS2	.460 11.68
VS3	.630 16.00

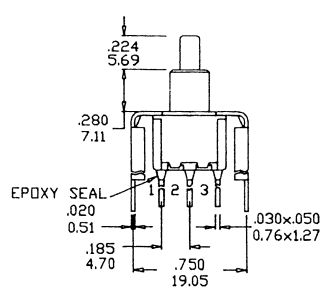
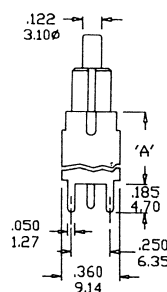
P.C. MOUNTING



Schematic

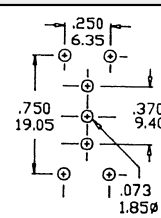


VS4-VS5/SPDT

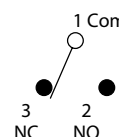


OPTION CODE	DIM. 'A'
VS4	.460 11.68
VS5	.630 16.00

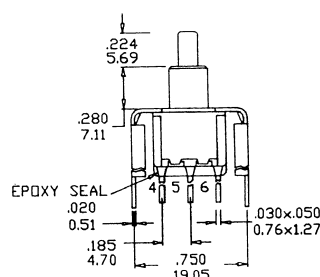
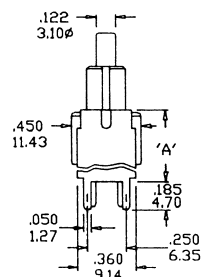
P.C. MOUNTING



Schematic

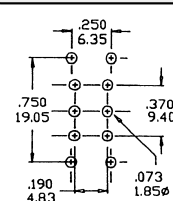


VS4-VS5/DPDT

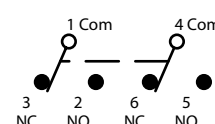


OPTION CODE	DIM. 'A'
VS4	.460 11.68
VS5	.630 16.00

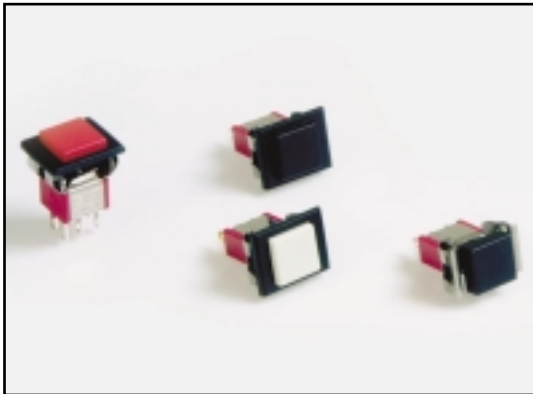
P.C. MOUNTING



Schematic



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.



SPECIFICATIONS

Ratings:	1A @ 250 VDC
	3A @ 120 VDC
Electrical Life:	50,000 cycles typical
Contact Resistance:	10mΩ 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 Force:	200 ± 50 gf

MATERIALS

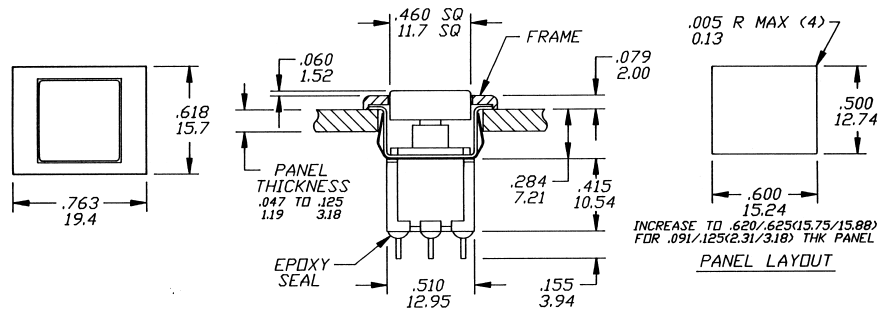
Case:	Diallyl Phthalate (DAP)
Plunger:	Glass filled nylon or glass filled polyester
Bushing:	Nickel plated brass
Housing:	Stainless steel
Contacts:	Silver or Gold plated copper alloy

HOW TO ORDER

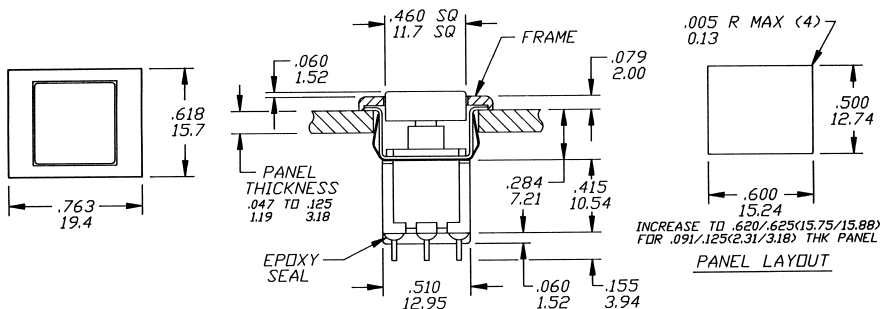
Series	Model No.	Termination	Contact Material	Seal	Cap/Frame	Cap Color	Frame Color
700	SP7 DP7	M1 M3	Q= Silver R= Gold	E	AP1 AP2	BLK= Black RED=Red GRY=Grey WHT=White	BLK= Black RED=Red GRY=Grey WHT=White



AP2
Cap/Frame SPDT



AP2
Cap/Frame DPDT



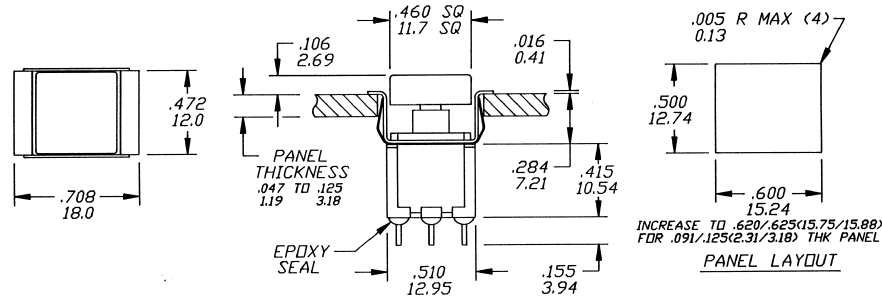
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

SNAP-ACTING PANEL MOUNT SWITCHES



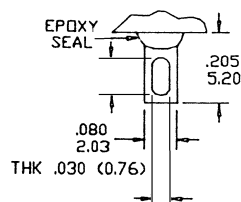
AP1

Cap/Frame SPDT

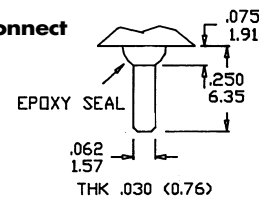


TERMINATION OPTIONS FOR PANEL MOUNT

M1 Solder Lug



M3 Quick Connect



CONTACT MATERIALS OPTIONS

Q Fixed Terminal: Silver plated copper alloy
Moving Contact: Silver plated copper alloy
Rating: 1 AMP @ 120 VAC

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

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

E-Switch:

[700DP7B10M2QEC1BLK](#) [700SP7B20M6REC1BLK](#) [700DP7B20M6QEC1BLK](#)