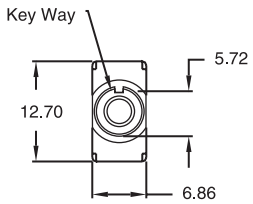
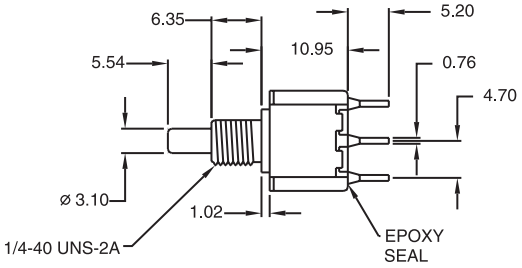
# Snap-Acting Pushbutton Switches (ON-MOM)

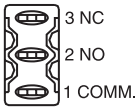
PB1M Series





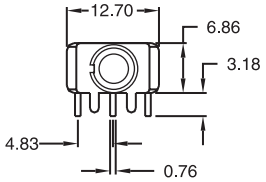


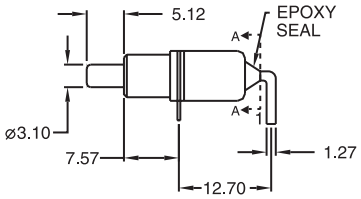



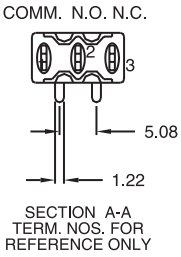



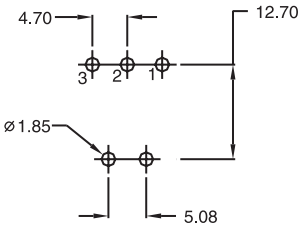

## PB1MSA1B11T1_ _ _ _





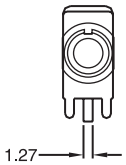



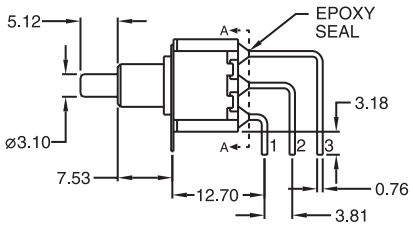



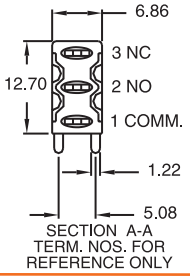



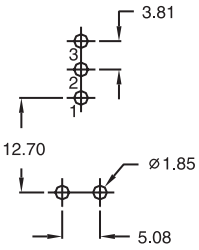

## PB1MSA1B20T6_ _ _ _



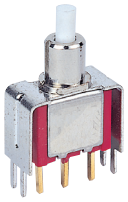


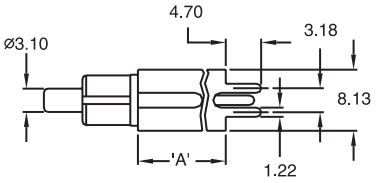



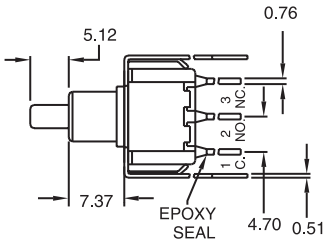



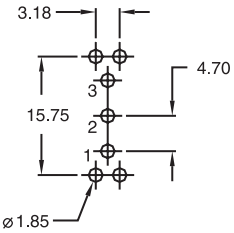

## PB1MSA1B20T7_ _ _ _



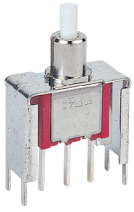


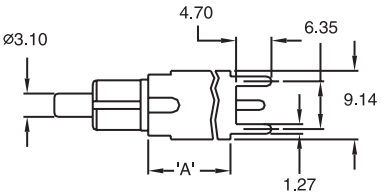



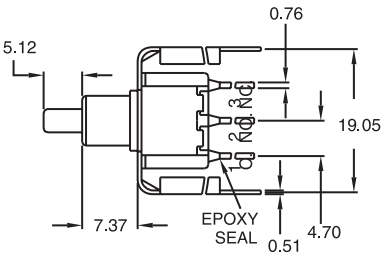

| OPTION CODE | DIM. 'A' |
|---|---|
| VS2 | 11.68 |
| VS3 | 16.00 |



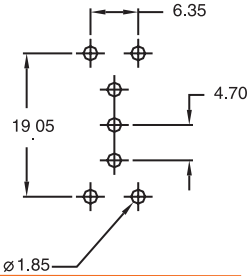

## PB1MSA1B20VS2_ _ _ _






| OPTION CODE | DIM. 'A' |
|---|---|
| VS4 | 11.68 |
| VS5 | 16.00 |




## PB1MSA1B20VS4_ _ _ _

## How to order:

PB1 [1] [2] [3] [4] [5] [6] [7] [8]

**1 SWITCHING & POLES:**
- MS ON-MOM SPDT
- MD ON-MOM DPDT

**2 ACTUATOR:**
- A1 5.54 mm high (Only for B bushings)

**3 BUSHING:**
- B10 6.35mm high, keyway (thd)
- B11 6.35mm high, flat (thd)
- B20 6.35mm high, keyway (non-thd)
- B21 6.35mm high, flat (non-thd)
- AP1 Cap only
- AP2 Cap frame
- AP3 Cap only - (flat)
- AP4 Cap frame - (flat)
- AP5 Cap with frame for LED, snap-in
- AP6 Cap with frame for LED, snap-in (flat)
- PA 5.54mm high (metal material)
- PB 7.00mm high, 15/32 bushing

**4 TERMINALS:**
- T1 Solder Lug
- T2 PC thru-hole
- T5 Wire wrap
- T6 Right angle, PC thru-hole
- T6N Right angle, snap-in, PC thru-hole
- T7 Vertical right angle, PC thru-hole
- VS2 11.68mm high, V-bracket
- V2N 11.68mm high, snap-in, V-bracket
- VS3 16.00mm high, V-bracket
- VS4 11.68mm high, V-bracket
- VS5 16.00mm high, V-bracket

**5 CONTACT MATERIAL:**
- AG Silver
- AU Gold
- UT Gold, tin-lead
- GT Silver, tin-lead
- UG Gold over ilver
- UGT Gold over silver, tin-lead

**6 SEAL:**
- E Epoxy (Standard)
- N No Epoxy

**7 ROHS & LEAD FREE:**
- blank RoHS compliant
- V RoHS & lead free

**8 CAP:**
- C1 Cap1
- C2 Cap2
- C3 Cap3
- C4 Cap4

## General Specifications:

**MATERIALS**
» Movable Contact & Fixed Terminals:
AG, GT, UG & UGT: Silver plated over copper alloy
AU & UT: Gold over nickel plated over copper alloy

**MECHANICAL**
» Operating Temperature: -30°C to +85°C
» Mechanical Life: 30,000 cycles

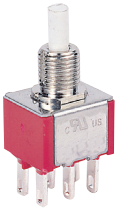
**CONTACT RATING**
» AG, GT, UG & UGT: 3A 120VAC/28VDC
1A 250VAC
» AU & UT: 0.4VA max. 20V max. (AC/DC)

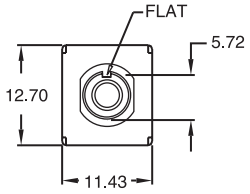
**ELECTRICAL**
» Contact Resistance: 20mΩ max. initial @ 2-4VDC 100mA for silver & gold plated contacts
» Insulation Resistance: 1,000MΩ min.

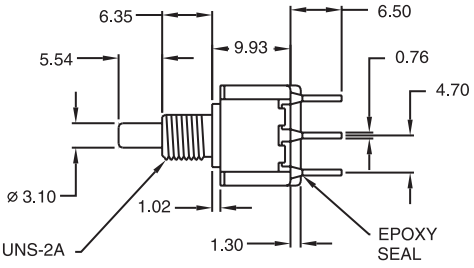
## Snap-Acting Pushbutton Switches (ON-MOM)

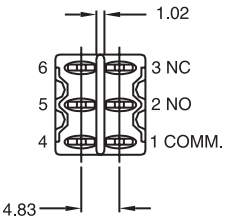
PB1M Series





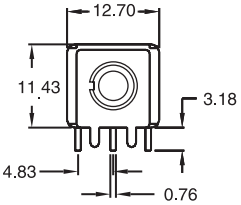


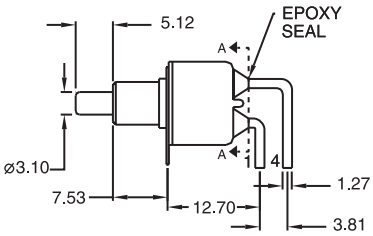



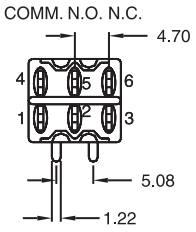



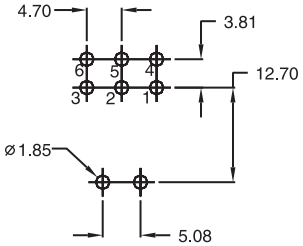

**PB1MDA1B10T1_ _ _ _**





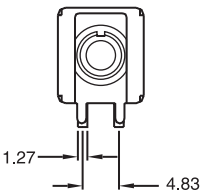



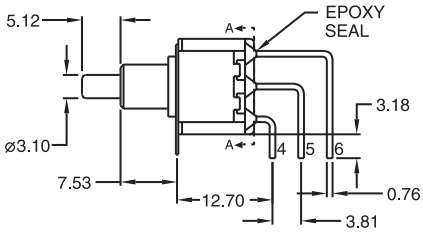



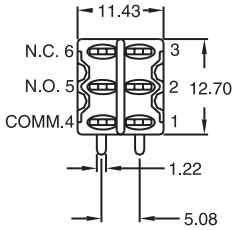



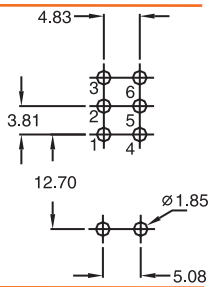

**PB1MDA1B20T6_ _ _ _**





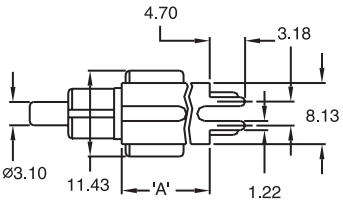



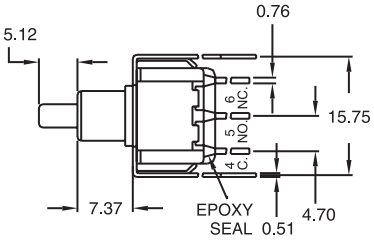



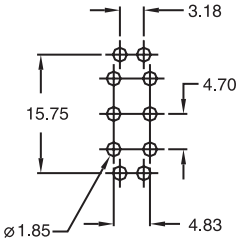

**PB1MDA1B20T7_ _ _ _**



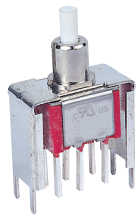


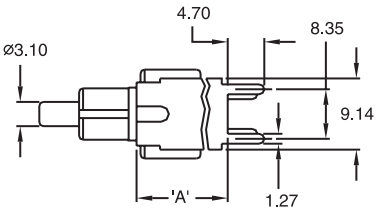



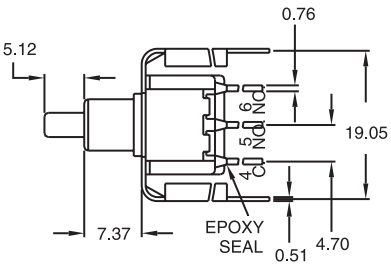

| OPTION CODE | DIM. 'A' |
|---|---|
| VS2 | 11.68 |



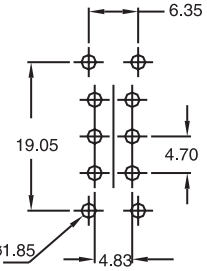

**PB1MDA1B20VS2_ _ _ _**



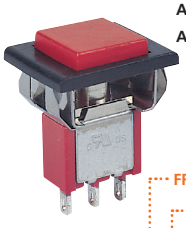



| OPTION CODE | DIM. 'A' |
|---|---|
| VS4 | 11.68 |
| VS5 | 16.00 |




**PB1MDA1B20VS4_ _ _ _**

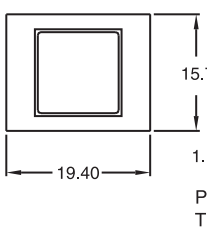


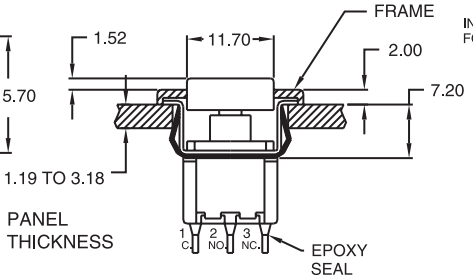
AP2:Cap & Frame
AP1: Cap only

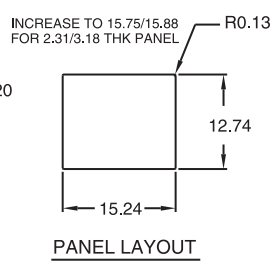
FRAME COLOR
CAP COLOR

**PB1MSAP2□□T1_ _ _ _**

| | |
|---|---|
| A | BLACK |
| B | WHITE |
| C | RED |
| D | ORANGE |
| E | YELLOW |
| F | GREEN |
| G | BLUE |
| K | BROWN |
| H | GRAY |



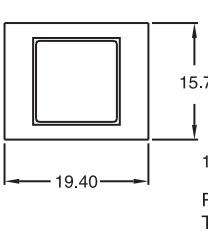



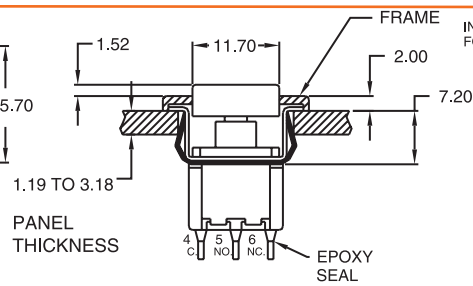

AP2:Cap & Frame
AP1: Cap only

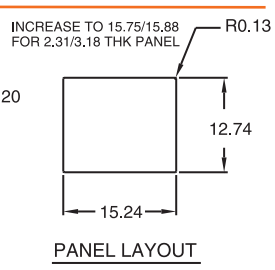
FRAME COLOR
CAP COLOR

**PB1MDAP2□□T1_ _ _ _**

| | |
|---|---|
| A | BLACK |
| B | WHITE |
| C | RED |
| D | ORANGE |
| E | YELLOW |
| F | GREEN |
| G | BLUE |
| K | BROWN |
| H | GRAY |



## Snap-Acting Pushbutton Switches (ON-MOM)

PB1M Series



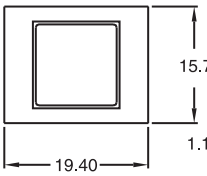


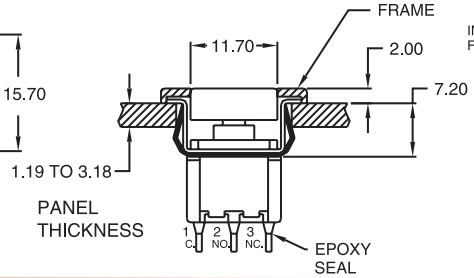
AP4: Cap & Frame
AP3: Cap only

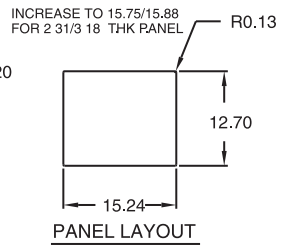
| | |
|---|---|
| A | BLACK |
| B | WHITE |
| C | RED |
| D | ORANGE |
| E | YELLOW |
| F | GREEN |
| G | BLUE |
| K | BROWN |
| H | GRAY |

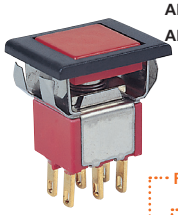
FRAME COLOR
CAP COLOR

**PB1MSAP4□□T1_ _ _ _**



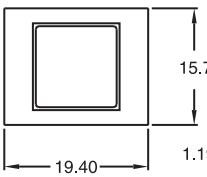



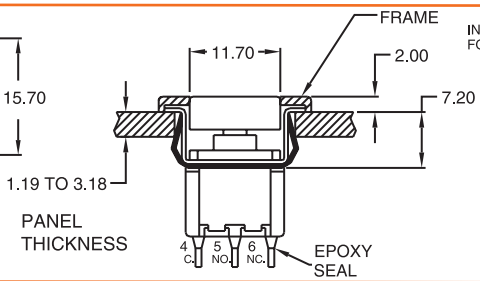
AP4: Cap & Frame
AP3: Cap only

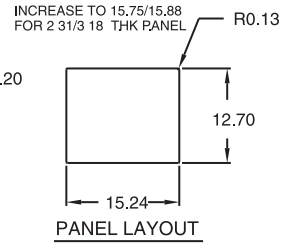
| | |
|---|---|
| A | BLACK |
| B | WHITE |
| C | RED |
| D | ORANGE |
| E | YELLOW |
| F | GREEN |
| G | BLUE |
| K | BROWN |
| H | GRAY |

FRAME COLOR
CAP COLOR

**PB1MDAP4□□T1_ _ _ _**






AP5: Cap & FRAME

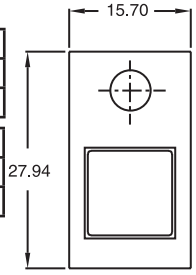
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|---|---|
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| B | WHITE |
| C | RED |

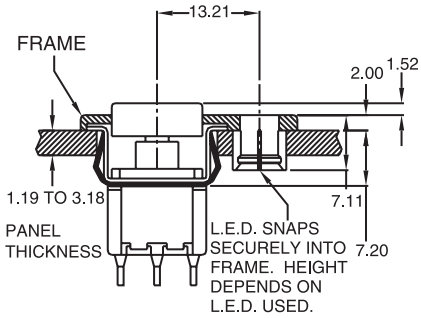
LED COLORS:

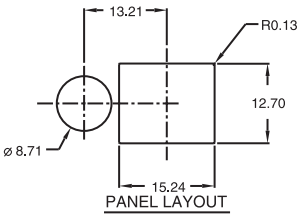
| | |
|---|---|
| C | RED |
| D | ORANGE |
| F | GREEN |

FRAME COLOR
CAP COLOR

**PB1MSAP5□□T1_ _ _ _**






AP5: Cap & FRAME

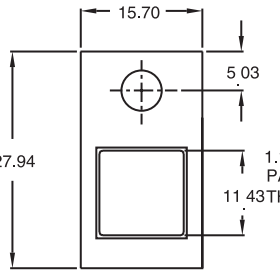
| | |
|---|---|
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| B | WHITE |
| C | RED |

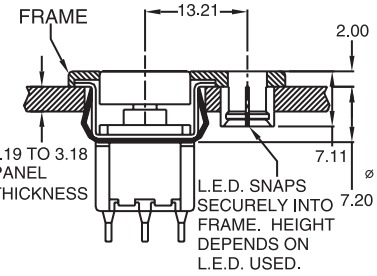
LED COLORS:

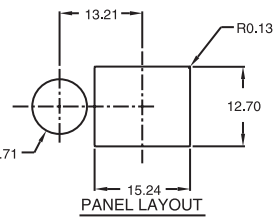
| | |
|---|---|
| C | RED |
| D | ORANGE |
| F | GREEN |

FRAME COLOR
CAP COLOR

**PB1MSAP5□□T1_ _ _ _**



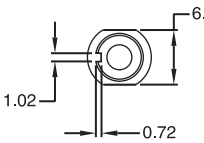




### SWITCH FUNCTION

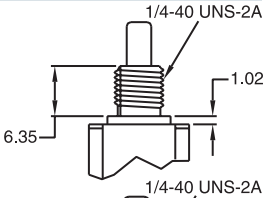
| NO. POLES | MODEL NO. | SWITCH FUNCTION POS.1 | SWITCH FUNCTION POS.2 | CONNECTED TERMINALS POS.1 | CONNECTED TERMINALS POS.2 | SCHEMATIC |
|---|---|---|---|---|---|---|
| SP | PB1MS | ON | MOM | 1-3 | 1-2 | |
| DP | PB1MD | ON | MOM | 1-3,4-6 | 1-2,4-5 | |

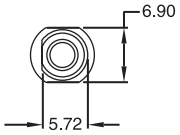
MOM=MOMENTARY

### BUSHING OPTIONS

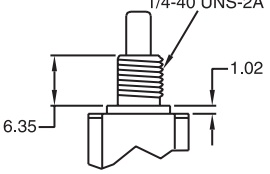



**B10** THD STD
**B20** NON THD

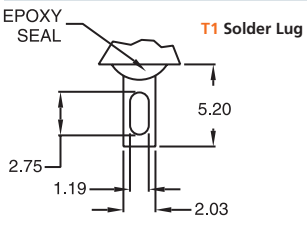



**B11** THD STD
**B21** NON THD

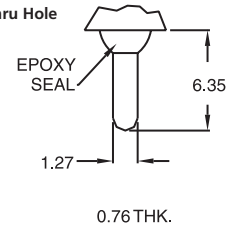



### TERMINAL OPTIONS

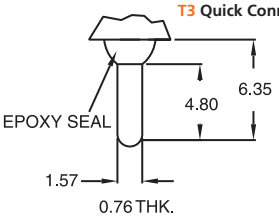



**T1** Solder Lug

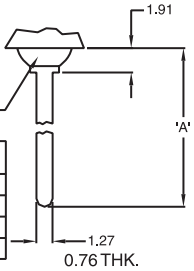
**T2** PC Thru Hole




**T3** Quick Connect



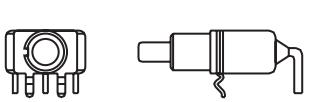

**T5** Wire Wrap



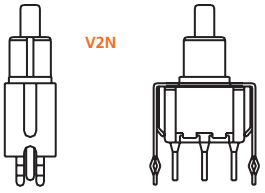

| OPTION CODE | DIM. 'A' |
|---|---|
| T5-1 | 18.70 |
| T5-2 | 24.20 |
| T5-3 | 10.80 |
| T5-4 | 16.50 |

### SNAP-IN TERMINAL OPTIONS

**T6N**



**V2N**

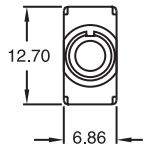


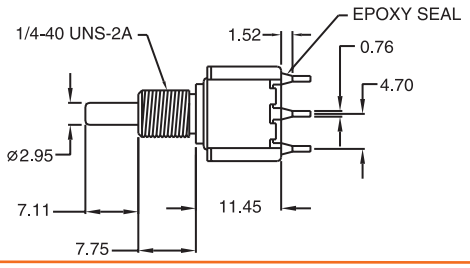
# Pushbutton Switches

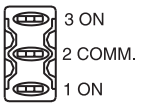
## Snap-Acting Pushbutton Switches (ON-ON) PB1N Series





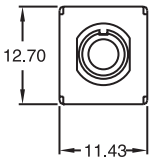


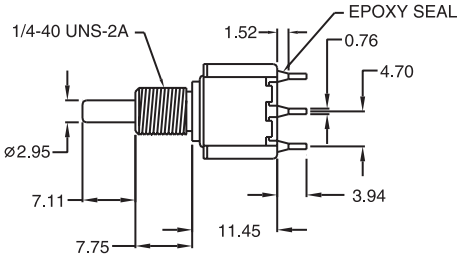



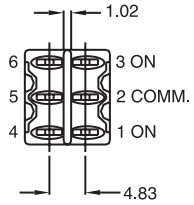




**PB1NSA1B60T1_ _ _ _**



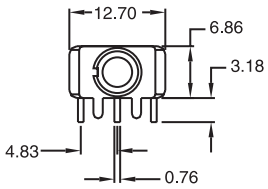


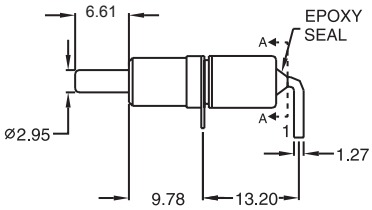



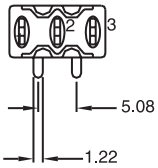



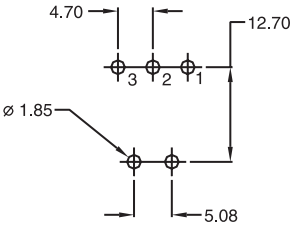

**PB1NDA1B60T1_ _ _ _**





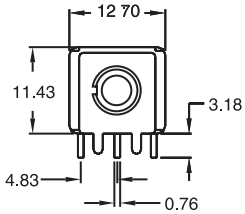



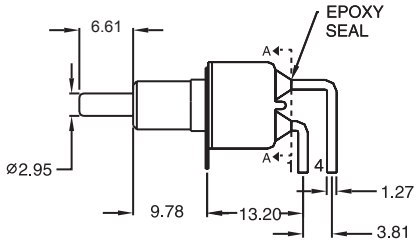



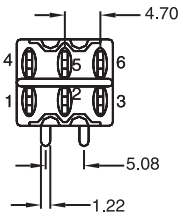



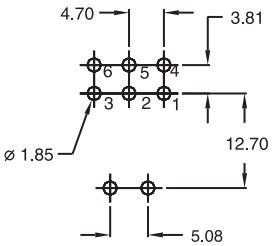

**PB1NSA1B70T6_ _ _ _**



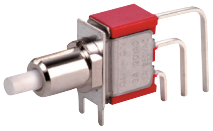


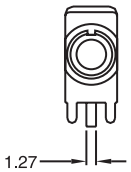



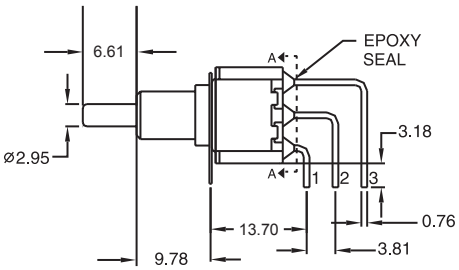



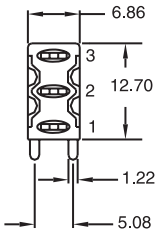



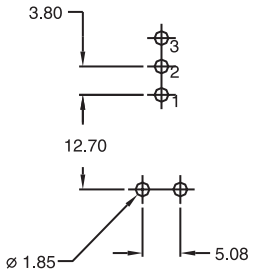

**PB1NDA1B70T6_ _ _ _**






**PB1NSA1B70T7_ _ _ _**

## How to order:

PB1 [1] [2] [3] [4] [5] [6] [7] [8]

**1 SWITCHING & POLES:**
NS ON-ON SPDT
ND ON-ON DPDT

**2 ACTUATOR:**
A1 6.61/7.11 mm high
AA Handle, metal material
AB Handle, metal meterial

**3 BUSHING:**
B60 7.62mm high, keyway (thd)
B61 7.62mm high, flat (thd)
B70 7.62mm high, keyway (non-thd)
B71 7.62mm high, flat (non-thd)

**4 TERMINALS:**
T1 Solder Lug
T2 PC thru-hole
T5 Wire wrap
T6 Right angle, PC thru-hole
T6N Right angle, PC thru-hole
Right angle, snap-in,
T7 PC thru-hole
Vertical right angle,
VS2 PC thru-hole
V2N 11.68mm high, V-bracket
11.68mm high, snap-in,
VS3 V-bracket
VS4 16.00mm high, V-bracket
VS5 11.68mm high, V-bracket
16.00mm high, V-bracket

**5 CONTACT MATERIAL:**
AG Silver
AU Gold
UT Gold, tin-lead
GT Silver, tin-lead
UG Gold over ilver
UGT Gold over silver, tin-lead

**6 SEAL:**
E Epoxy (Standard)
N No Epoxy

**7 ROHS & LEAD FREE:**
blank RoHS compliant
V RoHS & lead free

**8 CAP:**
C1 Cap1
C2 Cap2
C3 Cap3
C4 Cap4

## General Specifications:

**MATERIALS**
» Movable Contact & Fixed Terminals:
AG, GT, UG & UGT: Silver plated over copper alloy
AU & UT: Gold over nickel plated over copper alloy

**MECHANICAL**
» Operating Temperature: -30°C to +85°C
» Mechanical Life: 30,000 cycles

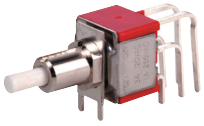
**CONTACT RATING**
» AG, GT, UG & UGT: 3A 120VAC/28VDC
1A 250VAC
» AU & UT: 0.4VA max. 20V max. (AC/DC)

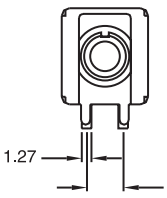
**ELECTRICAL**
» Contact Resistance: 20mΩ max. initial @ 2-4VDC
100mA for silver & gold plated contacts
» Insulation Resistance: 1,000MΩ min.

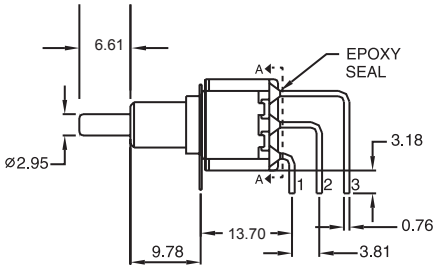
# Snap-Acting Pushbutton Switches (ON-ON)

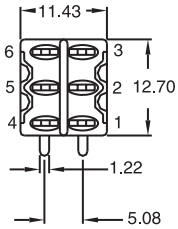
PB1N Series

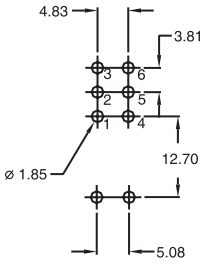






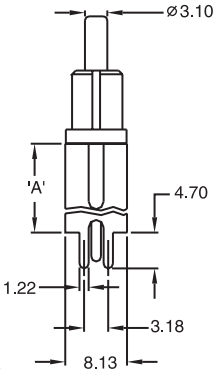



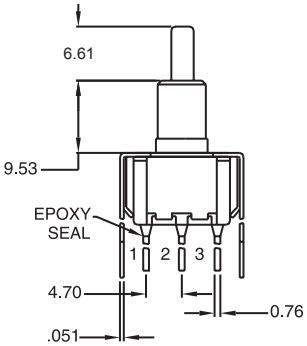



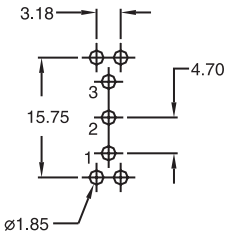

**PB1NDA1B70T7_ _ _ _**





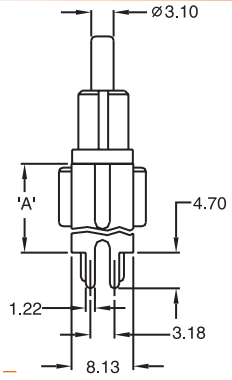



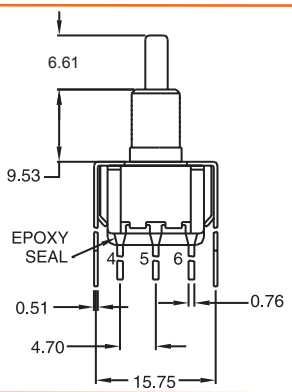

| OPTION CODE | DIM. 'A' |
|---|---|
| VS2 | 11.68 |
| VS3 | 16.00 |



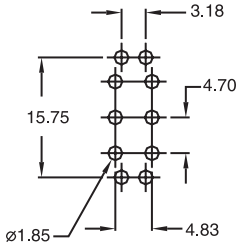

**PB1NSA1B70VS2_ _ _ _**





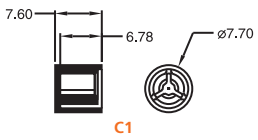



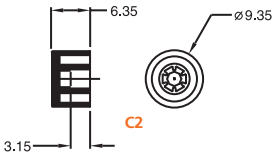

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| VS2 | 11.68 |

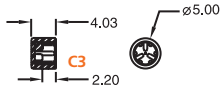



**PB1NDA1B70VS2_ _ _ _**

## CAPS (Colors: white, black, green, red)



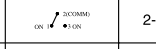
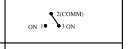
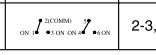
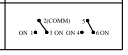



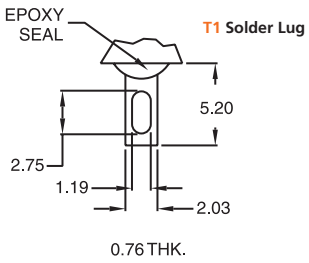


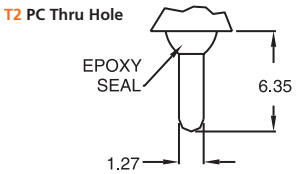


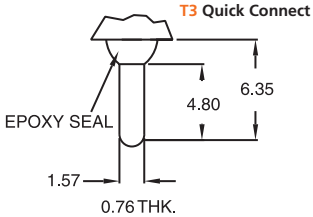
## SWITCH FUNCTION

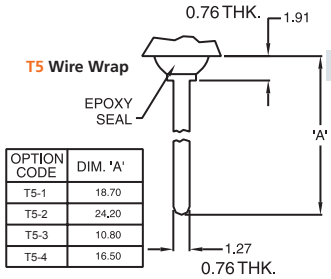
| NO. POLES | MODEL NO. | SWITCH FUNCTION POS.1 | SWITCH FUNCTION POS.2 | CONNECTED TERMINALS/SCHEMATIC POS.1 | | CONNECTED TERMINALS/SCHEMATIC POS.2 | |
|---|---|---|---|---|---|---|---|
| SP | PB1NS | ON | ON | 1-2 |  | 2-3 |  |
| DP | PB1ND | ON | ON | 1-2,4-5 |  | 2-3,5-6 |  |

## TERMINAL OPTIONS



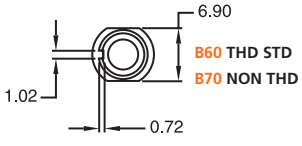



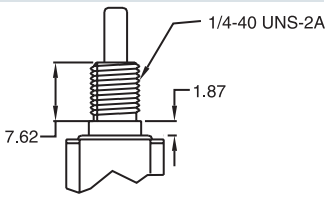



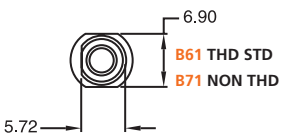



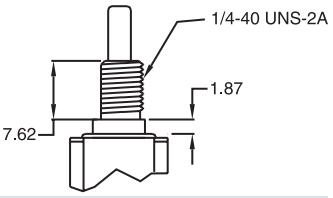

| OPTION CODE | DIM. 'A' |
|---|---|
| T5-1 | 18.70 |
| T5-2 | 24.20 |
| T5-3 | 10.80 |
| T5-4 | 16.50 |

## BUSHING OPTIONS




## SNAP-IN TERMINAL OPTIONS

