

# PVB Low Profile SMT Push Switches

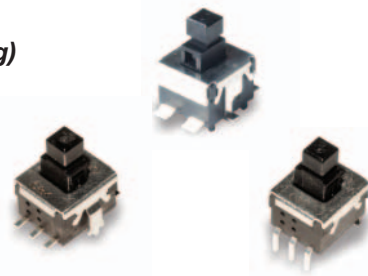
**NEW!**

## Features/Benefits

- Compact design
- Adapted for medium power applications
- SMD soldering process
- Tape & reel packaging
- RoHS compliant and compatible

## Typical Applications

- Automotive (air conditioning, lighting)
- Industrial
- Control panels



## Construction

FUNCTION: Momentary, Push-Push  
 CONTACT ARRANGEMENT: SPDT (PVB4); DPDT (PVB6)  
 SWITCHING MODE: Non-shorting  
 TERMINALS: G termination  
 PC Pins for THT version

## Mechanical

TOTAL TRAVEL / LATCHING TRAVEL:  
 OA: 2,3 mm  
 EE: 2,3 / 1,5 mm  
 OPERATING FORCE: 3N

## Process

SOLDERING:  
 Compatible with lead free soldering process

## Packaging

PVB4 - 150 pieces  
 PVB6 - 200 pieces per reel for SMT version  
 PVB6 - 600 pieces per box for THT version

## Electrical

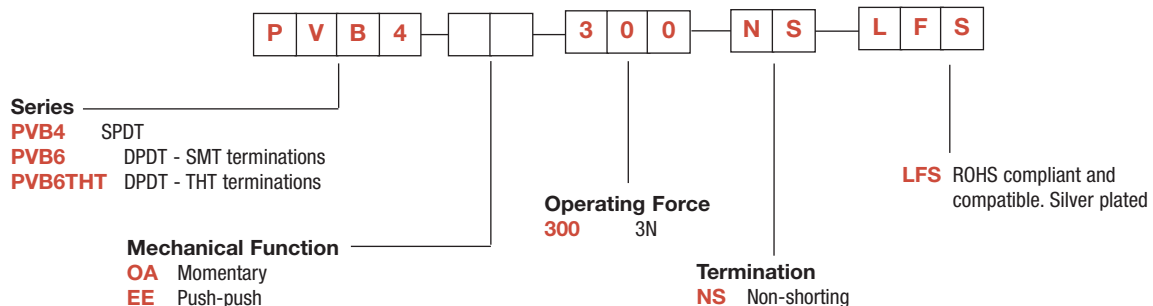
SWITCHING POWER MAX.: PVB4: 1,4 W DC ; PVB6: 2,8 W DC  
 SWITCHING VOLTAGE MAX.: 14 V DC  
 SWITCHING CURRENT MAX.: PVB4: 100 mA DC; PVB6: 200 mA DC  
 DIELECTRIC STRENGTH (50 Hz / 1 min): 500 V between open contacts  
 OPERATING LIFE:  
 PVB4  
     OA (momentary):  $\geq 1 \times 10^5$  operations  
     EE (push-push):  $\geq 1 \times 10^5$  operations  
 PVB6  
     OA (momentary):  $\geq 3 \times 10^5$  operations  
     EE (push-push):  $\geq 3 \times 10^5$  operations  
 CONTACT RESISTANCE: Initial  $\leq 150$  m $\Omega$   
 INSULATION RESISTANCE:  $\geq 10^8 \Omega$ (100 VDC - 60s)

## Environmental

OPERATING TEMPERATURE: -40°C to 80°C

## How To Order

Our easy build-a-switch concept allows you to mix and match options to create the switch you need. To order, select desired option from each category and place it in the appropriate box. **Some of the configurations may not be available or could require some development.**

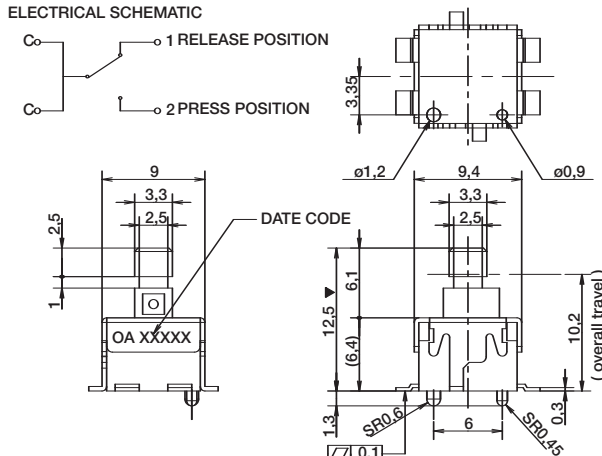
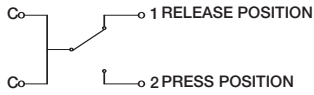


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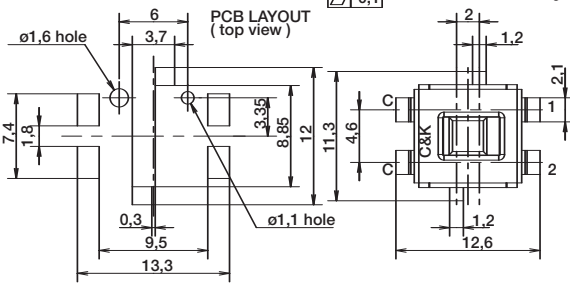
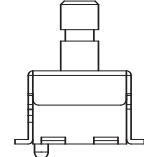
# PVB Low Profile SMT Push Switches

## PVB4 OA MOMENTARY

ELECTRICAL SCHEMATIC

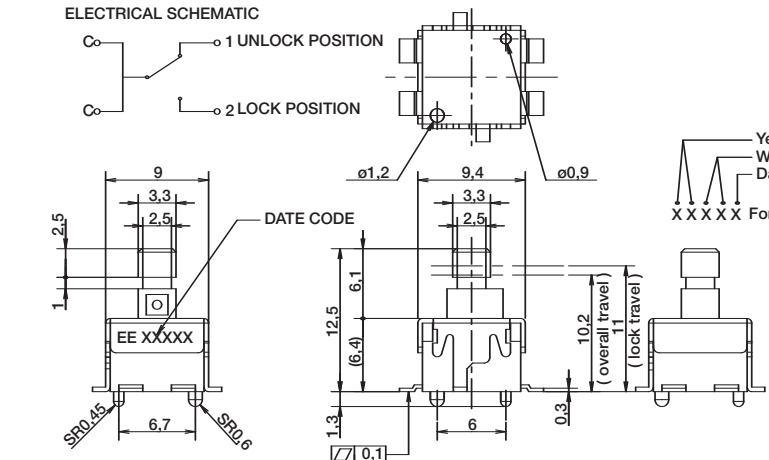
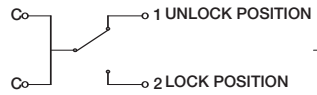


Year  
Week  
Day for the week  
X X X X X For example 12022 indicates 2012 YEAR - 02 WEEK - 2 TUESDAY

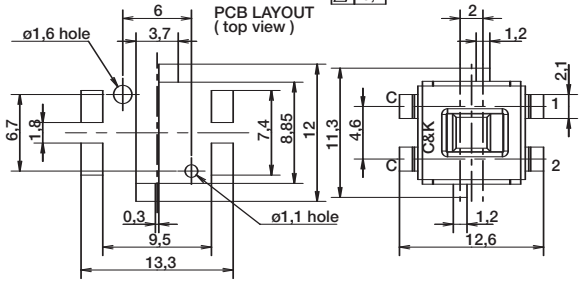
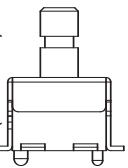


## PVB4 EE PUSH PUSH

ELECTRICAL SCHEMATIC



Year  
Week  
Day for the week  
X X X X X For example 12022 indicates 2012 YEAR - 02 WEEK - 2 TUESDAY



25 jun 13



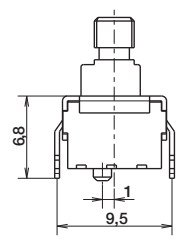
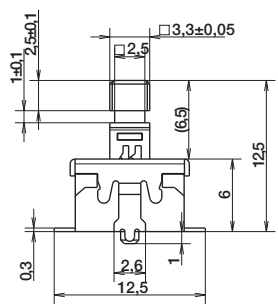
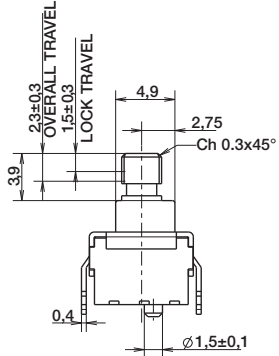
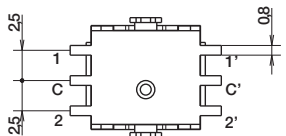
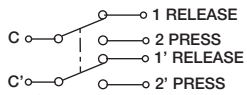
Key Switches

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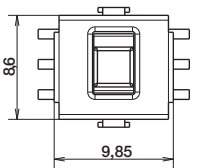
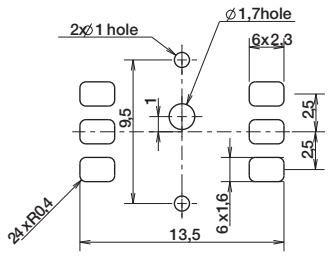
**NEW!**

## PVB6 OA MOMENTARY

### ELECTRICAL SCHEMATIC

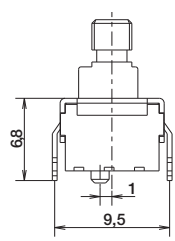
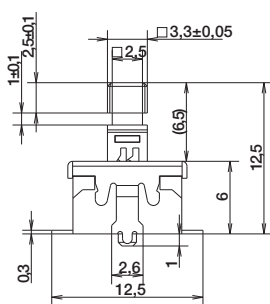
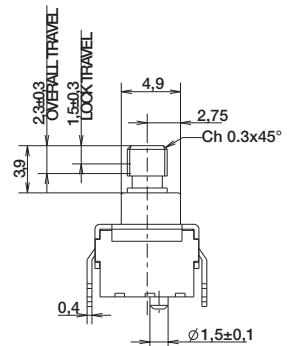
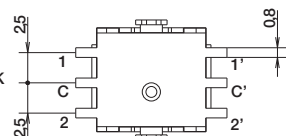
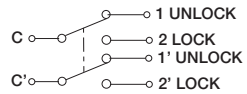


### PCB LAYOUT (top view)

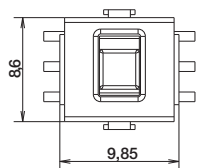
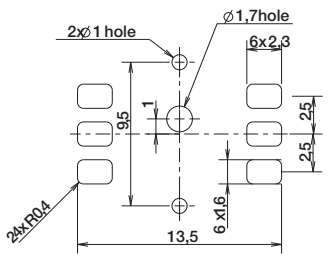


## PVB6 EE PUSH PUSH

### ELECTRICAL SCHEMATIC



### PCB LAYOUT (top view)



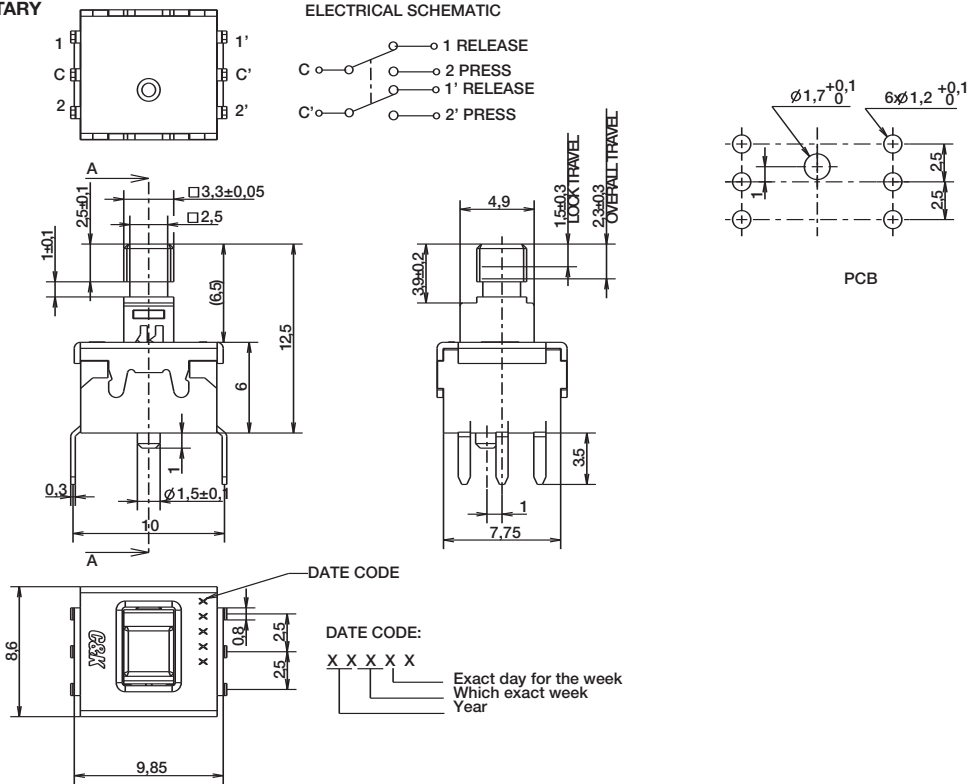
Key Switches



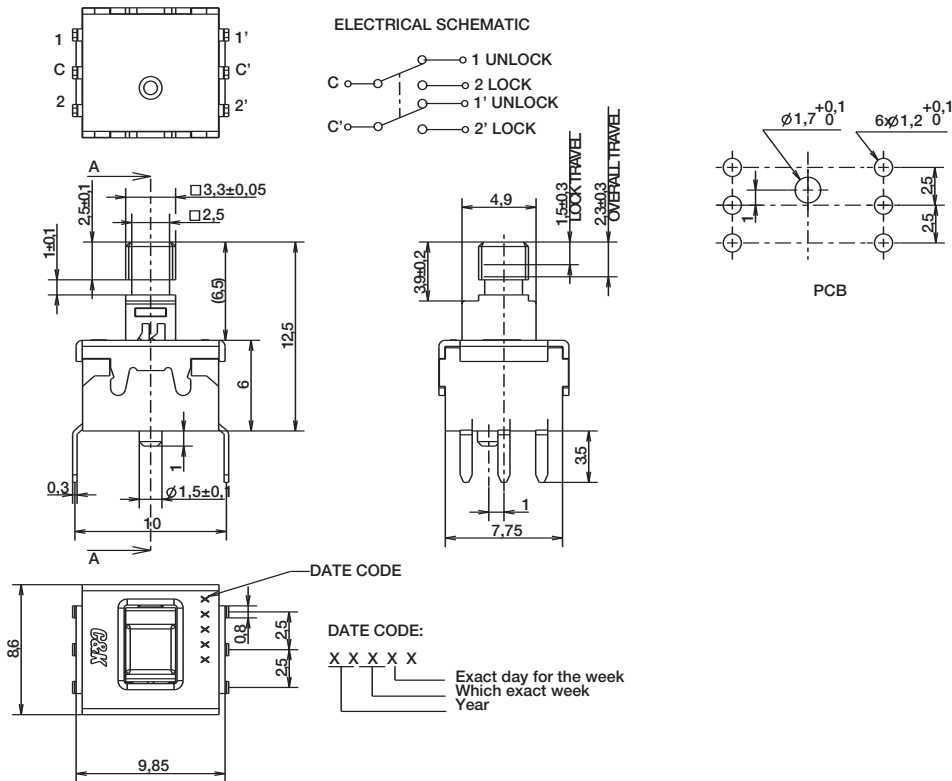
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# PVB Low Profile Push Switches

## PVB6 THT OA MOMENTARY



## PVB6 THT EE PUSH PUSH



D

Key Switches

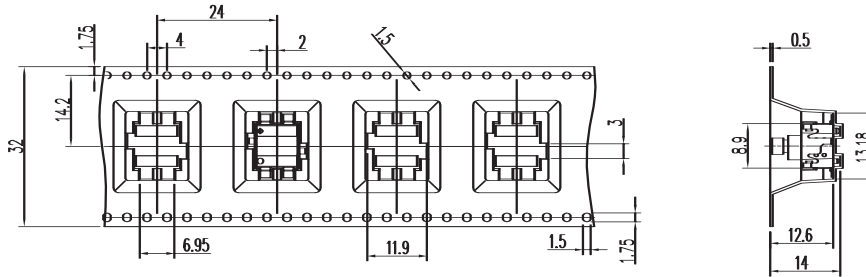


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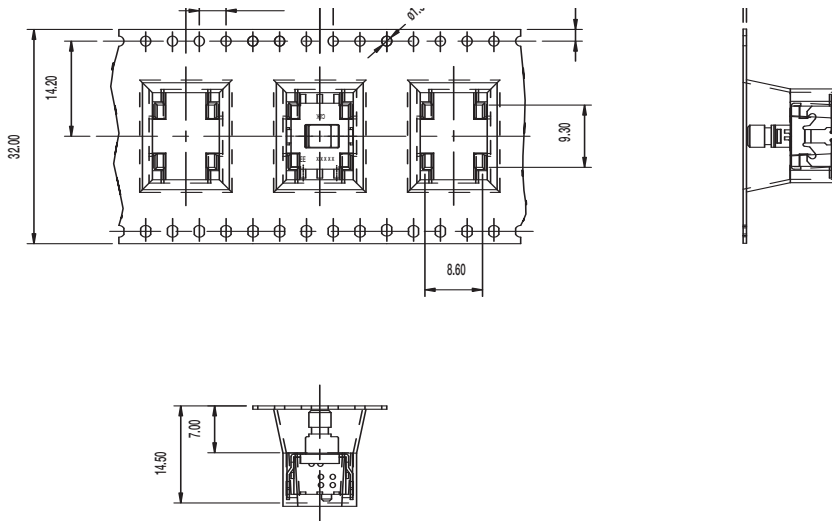
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TAPE & REEL

## PVB4



## PVB6



Key Switches

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