

## P01 circuit description

1. Working frequencies is basing on 2.4GHz , it have 16 channels which can switched by ID SW. The 16 frequencies is changed under below arrange when you press the ID button, 2402MHz, 2432MHz, 2462MHz, 2405MHz, 2435MHz, 2465MHz, 2408MHz, 2439MHz, 2468MHz, 2411MHz, 2447MHz, 2471MHz, 2425MHz, 2476MHz, 2450MHz, 2479MHz.
2. The power supply is used 2\* AAA alkaline cell ,and the DC-DC regulator U4 steady the voltage at 3V . Power switch 'PWS' can cut off or turn on the power supply.
3. Buttons managed by the U1(MCU) 's I/O matrix gives the signal to the MCU when you pressed . Then the MCU encode the signal and send the data to 2.4G RF transceiver U3. Move the trackball will do the same process.
4. U3 modulate the data signal and transmitted it by antenna.