

## **Circuit Description**

The operating voltage of Control Circuit is 5V. The RN5RK501A Step-up power from 3v to 5V ,

Step-up circuit is consist of D4,D2,L4,U4,C8,C9

Keyboard circuit is consist of k1-k12

LED backlight is consist of D1,R7

Laser pointer is consist of Q6, R9, R10, U2

RF transmitter is consist of Q3,Q5,R5,R6,X1,C5,C6,L2,Antenna

Vibration motor is consist of Q2,R2,R3,M1

MCU is EM78P468N

MCU received the sign of Keyboard to execute corresponding operate.

The pin51 of U1 output low level to light LED(D1) when anyone key be pressed.

The pin43 of U1 output high level to light Laser(U2) when key5 be pressed.

The pin44 of U1 output pulse wave when key1-key4, Key6-key12 be pressed.