

### **Circuit Description**

- a. The function of MCU CY8C24994 is used for gathering signal produced by key operation and output to computer via USB port.
- b. The U2-LTC3458 and U3-MPC17529 are the drive circuit for step motor, the step motor shall cycle run on the program and to adjust the keyboard position, while the “em” key is pressed.
- c. The work voltage is DC 5V by USB port.

### **Description for circuit:**

Key circuit:

- a. The function of MCU Ev656K61H is used for processing signal produced by optical key operation and transmitting the signal to RF circuit formed by Q1, Q2, Q3, Q4, L1 and other electronic components to modulate, amplify and send out.
- b. The RF signal of 27.045MHz is generated by a oscillator of 13.5225MHz circuit, and the modulated 27.045MHz wireless signal is transmitting via antenna.

3. Rx receiving circuit:

- a. RF circuit Ev2186 transmits the radio modulation signal which has received to MCU Ev656T72H to process and import pc computer.