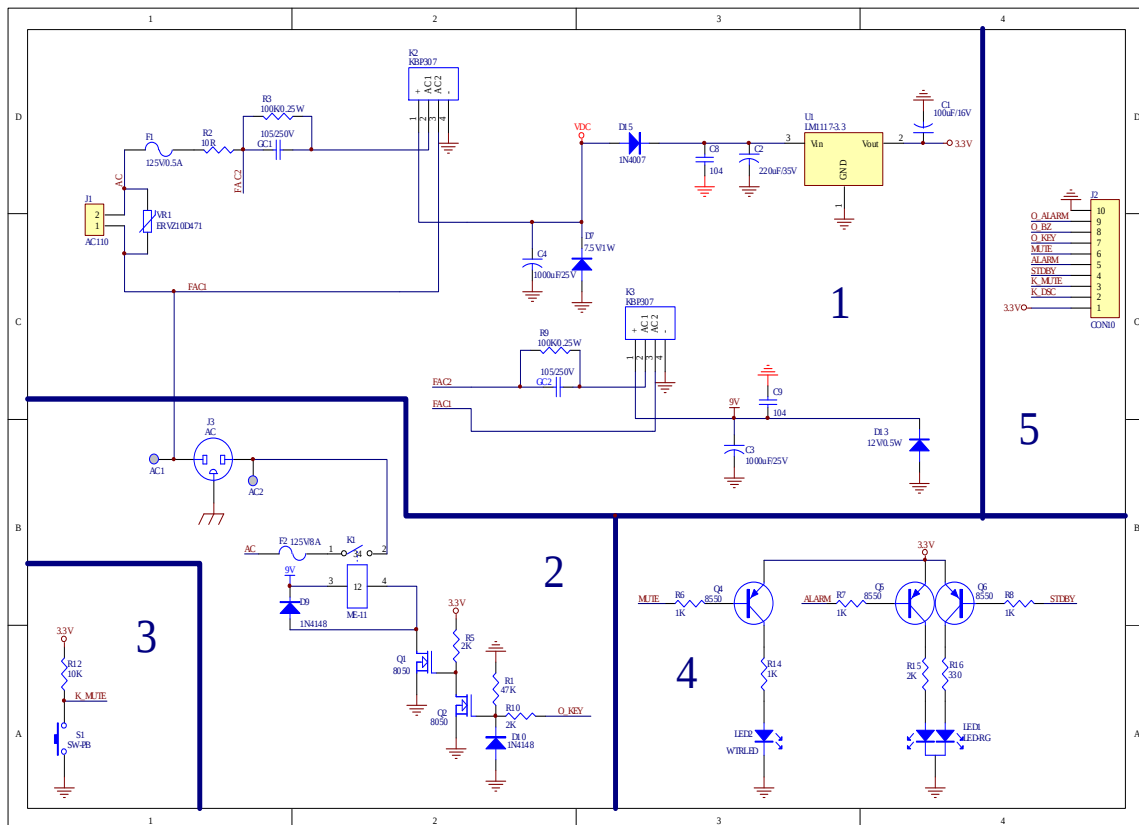




The first part: Power part

INPUT:120V 60HZ OUTPUT DC3.3V : For RF Module

OUTPUT DC9.0V: For Relay

The second part: Turn On/Off the Relay

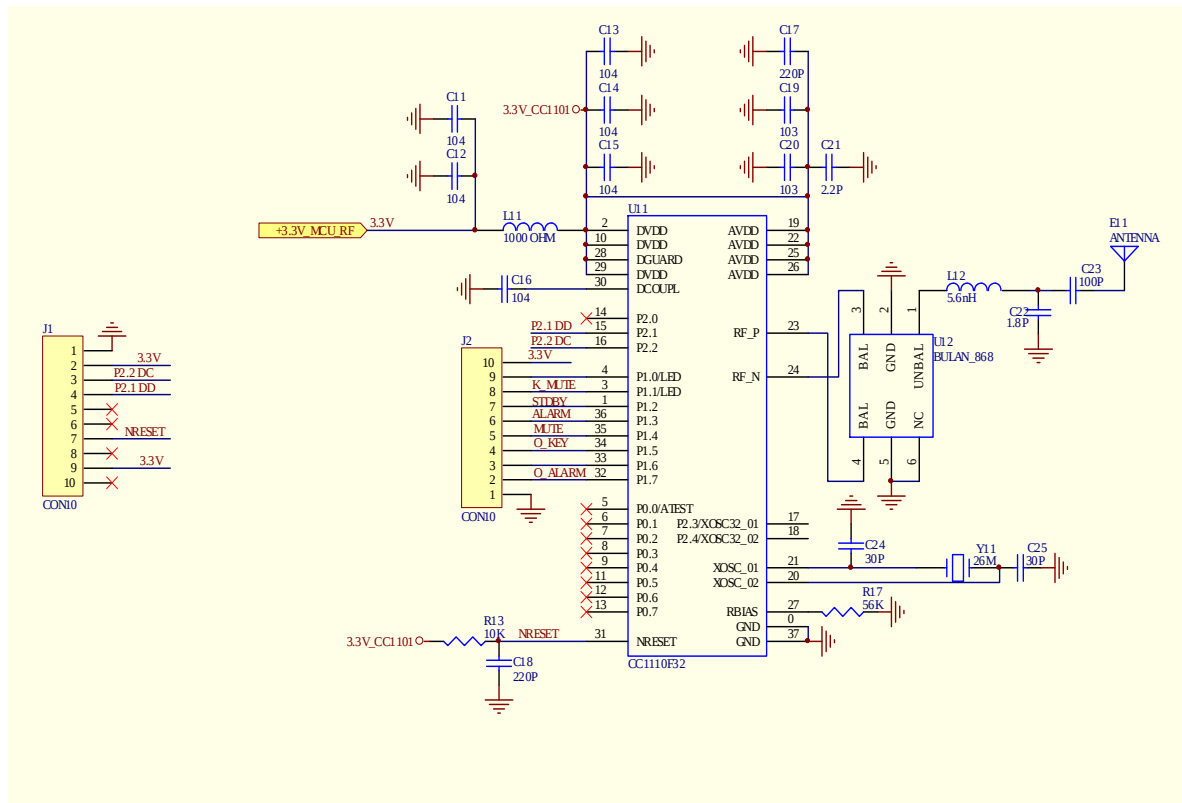
The third part: switch button

The fourth part: Display part

It displays by LED. When the LED1 displays red it is alarm. When the LED2 displays green it is network status. When the LED2 displays red it is switch button on

The fifth part: RF Module interface

The part: RF Module schematic



MCU and wireless for sending and Receiving

MCU CC1101F32 deals with the signal from switch button and receiver, modulate the 908~919MHz signal, Crystal 26MHZ is the work frequency of the MCU providing , then MCU sends the signal to U2Bulan. Antenna sends it to Wireless Gateway.

Modulation/Demodulation: FSK

Frequency Range: 908MHz ~ 919MHz

Data rate : 100Kbps

Antenna Type: Wire antenna

Antenna: enamelled wire Ø0.5mm*110mm

Frequency table as below:

Channel	Frequency (MHz)
0	908.449982
1	908.824493
2	909.199005
3	909.573517
4	909.948029
5	910.32254
6	910.697052
7	911.071564
8	911.446075
9	911.820587
10	912.195099
11	912.569611
12	912.944122
13	913.318634
14	913.693146
15	914.067657
16	914.442169
17	914.816681
18	915.191193
19	915.565704
20	915.940216
21	916.314728
22	916.68924
23	917.063751
24	917.438263
25	917.812775
26	918.187286
27	918.561798
28	918.93631
29	919.310822
30	919.685333