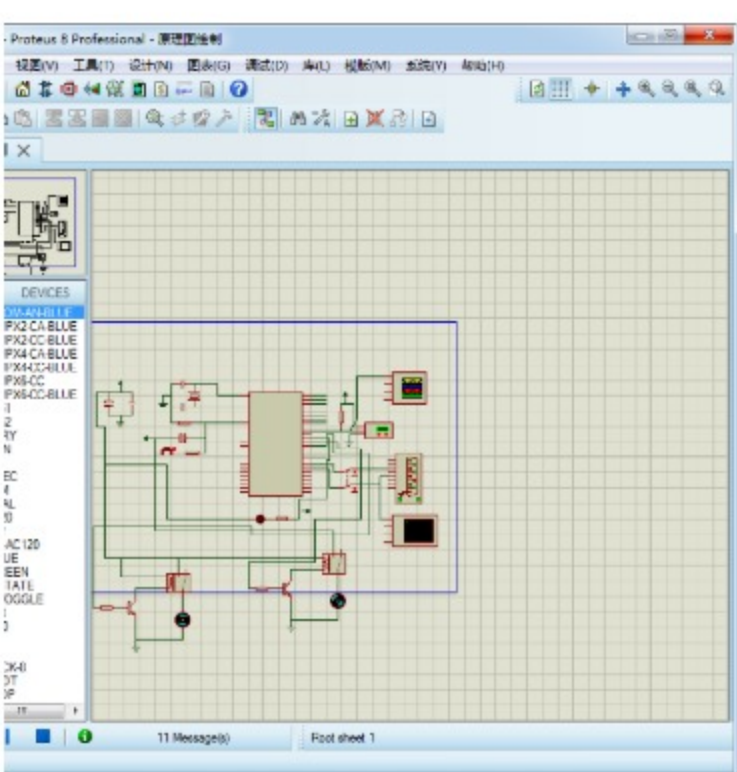
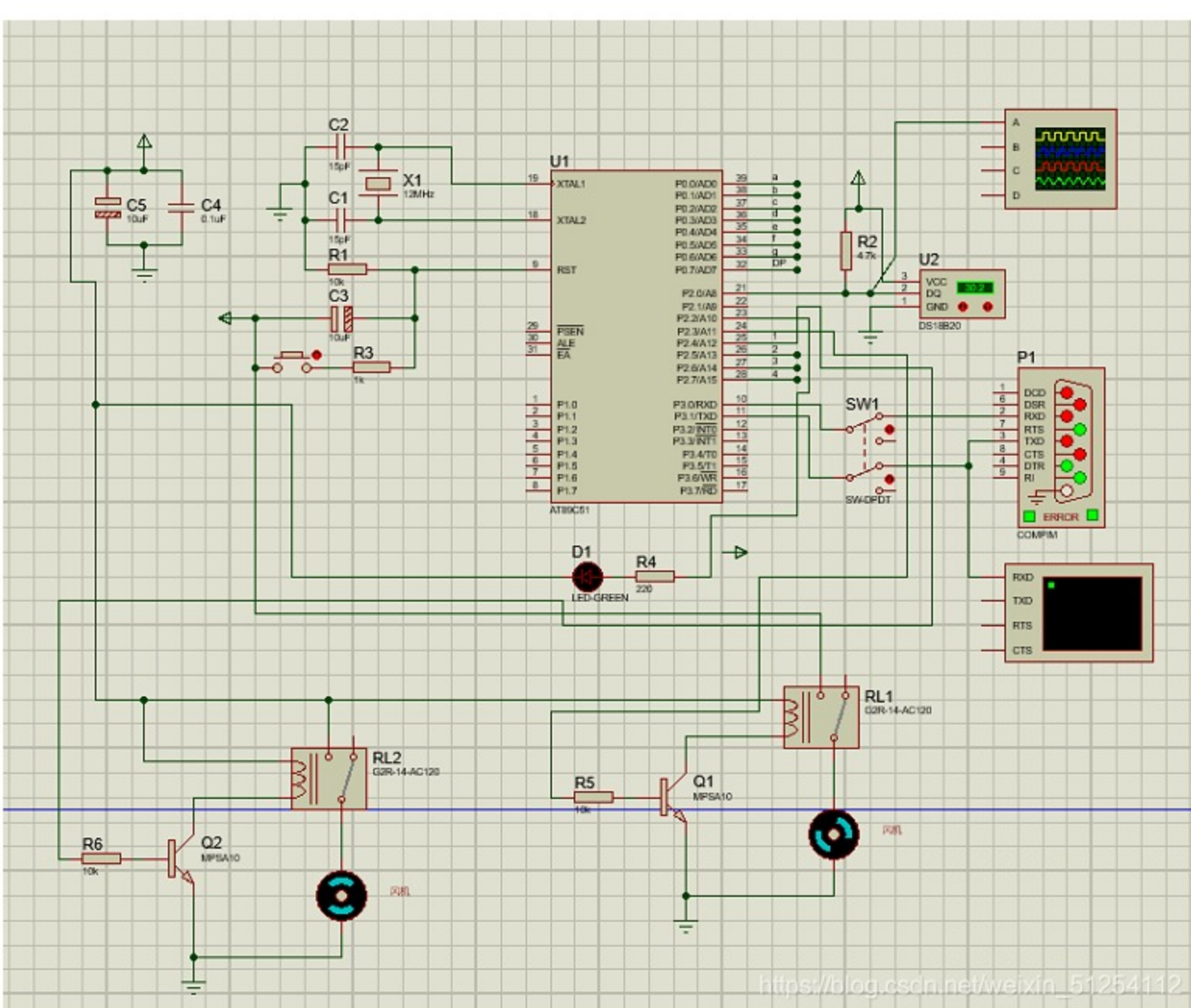




```

1  #include <reg51.h>
2  bit f=0;
3  sbit led = P2^2;
4  sbit GK = P2^3;
5  sbit JW = P2^4;
6  sbit DQ = P2^0;
7  unsigned int i=0;
8  unsigned char data table[5];
9  static void Delay(int num){
10     while(num--);
11 }
12     void DELAY_MS (unsigned int a){
13     unsigned int i;
14     while( a-- != 0){
15         for(i = 0; i < 125; i++){
16         }
17     }
18 void dsreset(void){
19     DQ = 0;
20     Delay(60);
21     DQ = 1;
22     Delay(50);
23 }
24
25 unsigned char tmpReadByte(void){
26     unsigned char i=0;
27     unsigned char dat = 0;
28     for (i=8;i>0;i--){
29         DQ = 0;
30         Delay(1);
31         dat>>=1;
32         DQ = 1;
33         if(DQ==1){
34             dat|=0x80;
35         }
36         Delay(7);
37     }
38     return(dat);
39 }
40 void tmpWriteByte(unsigned char dat){
41     unsigned char i=0;
42     for (i=8; i>0; i--){
43         DQ = 0;
44         DQ = dat&0x01;
45         Delay(7);
46         DQ = 1;
47         dat>>=1;
48     }
49 }
50
51
52 void getTemperature(unsigned char *a,unsigned char *b)
53 {
54     int i=500;
55     dsreset();
56     tmpWriteByte(0xCC);
57     tmpWriteByte(0x44);
58
59     while(!DQ && i--);
60
61     dsreset();
62     tmpWriteByte(0xCC);
63     tmpWriteByte(0xBE);
64     *b=tmpReadByte();
65     *a=tmpReadByte();
66 }
67

```

