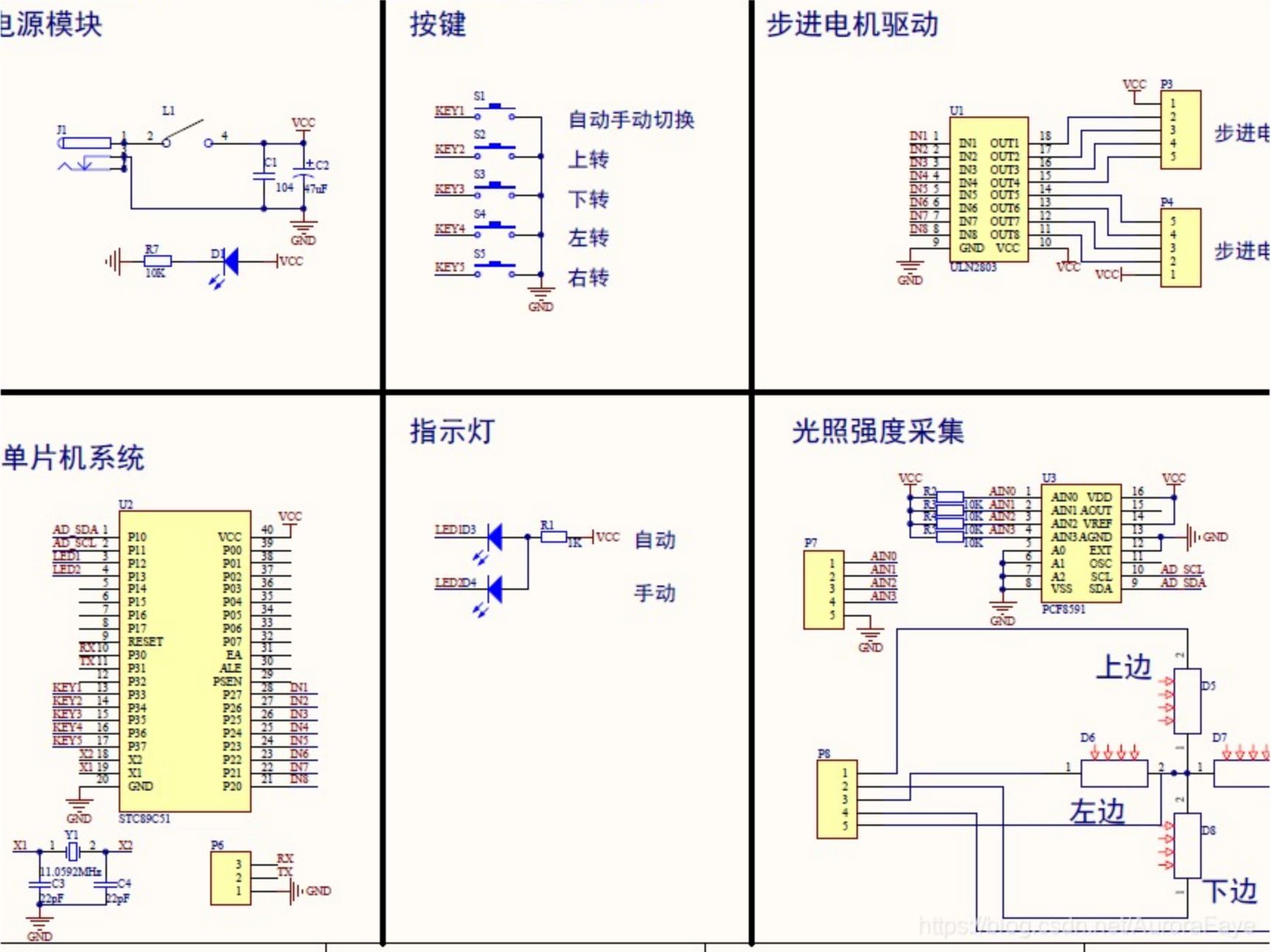
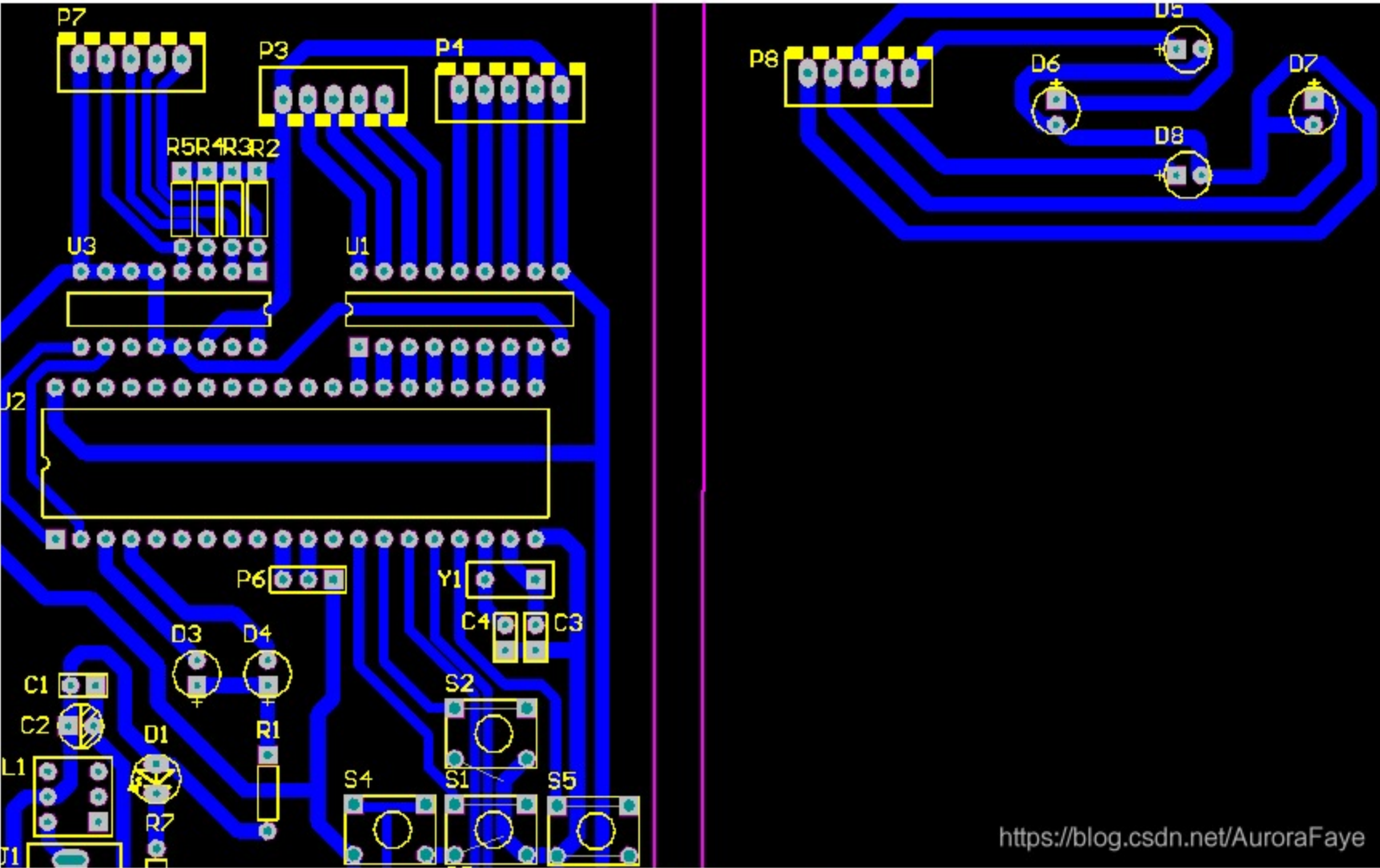
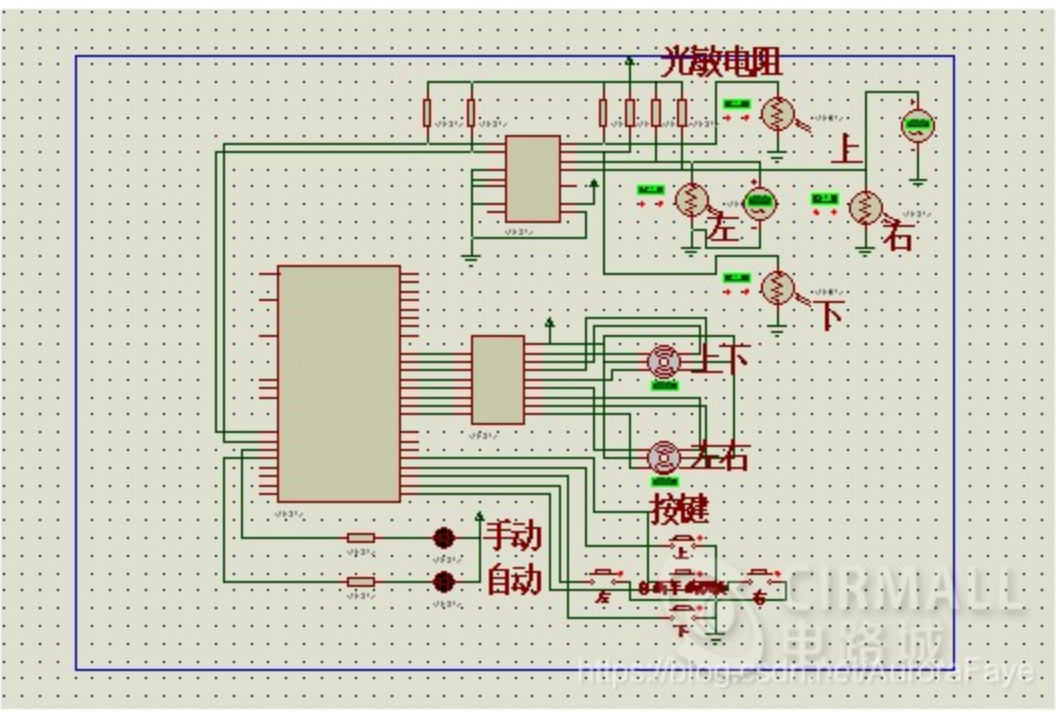


利用51单片机做的一个双轴自动追光系统，可以用于太阳能充电系统的寻光自动化，从水平和纵向两个方向找到最佳光源点，实现能源利用最大化。

【资源下载】下载地址如下（907）：<https://docs.qq.com/doc/DTIRSD01BZXNpRUxl>



```
1 #include<reg52.h>
2 #include<stdio.h>
3 #include "PCF8591.H"
4
5 #define uchar unsigned char
6 #define uint unsigned int
7
8 #define PCF8591 0x90 //PCF8591 地址
9
10 sbit ENTER = P3^3;
11 sbit UP = P3^4;
12 sbit DOWN = P3^5;
13 sbit LEFT = P3^6;
14 sbit RIGHT = P3^7;
15
16 sbit LED1 = P1^2;
17 sbit LED2 = P1^3;
18 uchar Motor_Up[4]={0x08,0x04,0x02,0x01};
19 uchar Motor_Down[4]={0x01,0x02,0x04,0x08};
20
21
22 uchar Motor_Left[4]={0x10,0x20,0x40,0x80};
23 uchar Motor_Right[4]={0x80,0x40,0x20,0x10};
24
25 unsigned char AD_CHANNEL;
26 //延时函数
27 void Delay_ms(uint jj)
28 {
29     uint ii;
30     while(jj--)
31         for(ii=0;ii<125;ii++);
32 }
33 void UART_Init(void)
34 {
35     TMOD = 0x20; //定时器模式选择
36     PCON = 0x00;
37     SCON = 0x50;
38     TH1 = 0xFd; //设置波特率 9600
39     TL1 = 0xFd;
40     TR1 = 1; //启动定时器1
41     ES = 1; //开串口中断
42     EA = 1; //开总中断
43 }
```