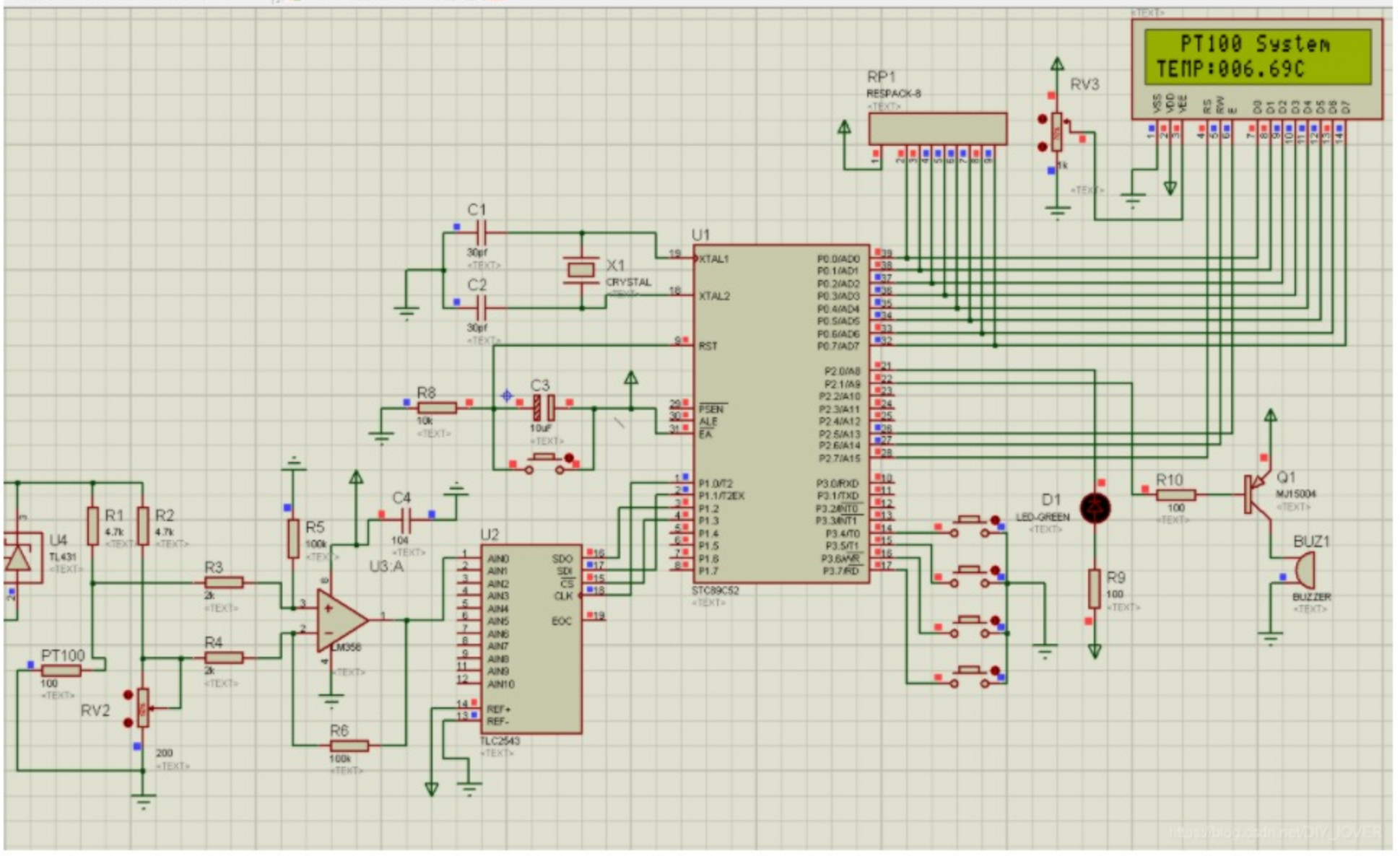


```c
#include <reg52.h>
#include <x1602.h>
#include <stdio.h>
#include <intrins.h>
#include <key.h>
#define uchar unsigned char
#define uint unsigned int

/*************************************
         2543控制引脚宏定义
*************************************/



sbit _CS=P1^3; /*2543片选*/
sbit D_OUT=P1^2; /*2543输出*/
sbit D_IN=P1^1; /*2543输入*/
sbit CLOCK=P1^0; /*2543时钟*/

sbit led=P2^0;
sbit buzz=P2^1;
extern uchar s_up; //温度上限
extern uchar s_down;//温度下限

const float code PT100TAB[]={

100.000,100.391,100.781,101.172,101.562,101.953,102.343,102.733,103.123,103.513,
103.903,104.292,104.682,105.071,105.460,105.849,106.238,106.627,107.016,107.405,
107.794,108.182,108.570,108.959,109.347,109.735,110.123,110.510,110.898,111.286,
111.673,112.06, 112.447,112.835,113.221,113.608,113.995,114.382,114.768,115.155,
115.541,115.927,116.313,116.699,117.085,117.470,117.856,118.241,118.627,119.012,
119.397,119.782,120.167,120.552,120.936,121.321,121.705,122.090,122.474,122.858,
123.242,123.626,124.009,124.393,124.777,125.160,125.543,125.926,126.309,126.692,
127.075,127.458,127.840,128.223,128.605,128.987,129.370,129.752,130.133,130.515,
130.897,131.278,131.660,132.041,132.422,132.803,133.184,133.565,133.946,134.326,
134.707,135.087,135.468,135.848,136.228,136.608,136.987,137.367,137.747,138.126,
138.506,138.885,139.264,139.643,140.022,140.400,140.779,141.158,141.536,141.914,
142.293,142.671,143.049,143.426,143.804,144.182,144.559,144.937,145.314,145.691,
146.068,146.445,146.822,147.198,147.575,147.951,148.328,148.704,149.080,149.456,
149.832,150.208,150.583,150.959,151.334,151.710,152.085,152.460,152.865,153.210,
153.584,153.959,154.333,154.708,155.082,155.456,155.830,156.204,156.578,156.952,
157.325,157.699,158.072,158.445,158.818,159.191,159.564,159.937,160.309,160.682,
161.054,161.427,161.799,162.171,162.543,162.915,163.286,163.658,164.030,164.401,
164.772,165.143,165.514,165.885,166.256,166.627,166.997,167.368,167.738,168.108,
168.478,168.848,169.218,169.588,169.958,170.327,170.696,171.066,171.435,171.804,
172.173,172.542,172.910,173.279,173.648,174.016,174.384,174.752,175.120,175.488,
175.856,};

unsigned char dis1[]={"TEMP:000.00C"};
unsigned char dis2[]={"  PT100 System  "};


float find_temperature(float R)//

{

  unsigned int i;

  float T;


  for(i=0;i<sizeof(PT100TAB)/sizeof(float)-1;i++)

  {

    if(R>=PT100TAB[i] && R<PT100TAB[i+1])

    {

      T=(float)i+(R-PT100TAB[i])/(PT100TAB[i+1]-PT100TAB[i]);
```

程序文件
仿真电路
开发资料
软件教程
注意事项
仿真截图.jpg