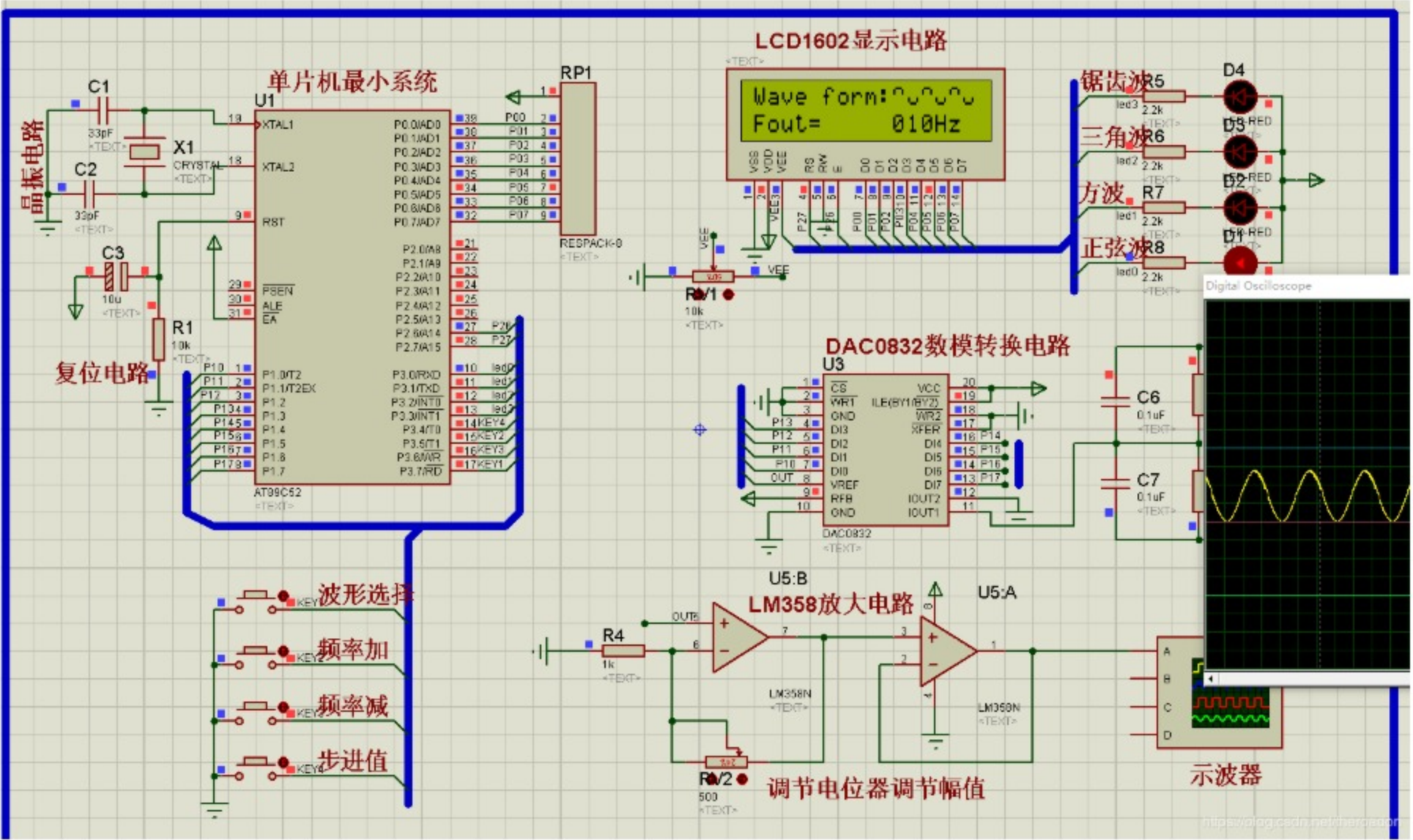


四种波形的产生，包括锯齿波、三角波、方波、正弦波。通过LCD液晶显示当前波形以及波形的频率。可以通过按键切换波形，并可以通过按键进行设置当前波形的频率大小，也可以设置频率设置不步进值。资料从主页链接中进行下载。

链接：<https://pan.baidu.com/s/1bMnNEv0cCAdTZ4xYCa3rtQ>

提取码：hj9e

复制这段内容后打开百度网盘手机App，操作更方便哦



```
1  #include <reg52.h>           /* 包含头文件 */
2  #include <intrins.h>
3  #define uchar   unsigned char /* 宏定义 */
4  #define uint    unsigned int
5
6  sbit   s1      = P3 ^ 5;      /* 定义按键的接口 */
7  sbit   s2      = P3 ^ 6;
8  sbit   s3      = P3 ^ 7;
9  sbit   s4      = P3 ^ 4;
10
11 sbit   led0     = P3 ^ 0;
12 sbit   led1     = P3 ^ 1;
13 sbit   led2     = P3 ^ 2;
14 sbit   led3     = P3 ^ 3;
15
16 sbit   lcdrs    = P2 ^ 7;      /* 液晶控制位 */
17 sbit   lcden    = P2 ^ 6;
18
19 char   num, boxing, u;        /* 定义全局变量 */
20 int    pinlv          = 10, bujin = 1, bujin1 = 1;
21 uchar code table[]      = "0123456789"; /* 定义显示的数组 */
22 uchar code table1[]     = "Fout=   Wave form:";
23 unsigned long int m;
24 int    a, b, h, num1;
25
26 /* 自定义字符 */
27 uchar code zifu[] = {
28     0x0e, 0x11, 0x11, 0x00, 0x00, 0x00, 0x00, 0x00,
29     0x00, 0x00, 0x00, 0x00, 0x11, 0x11, 0x0e, 0x00, /* 正弦波      0 1 */
30
31     0x00, 0x07, 0x04, 0x04, 0x04, 0x04, 0x1c, 0x00,
32     0x00, 0x1c, 0x04, 0x04, 0x04, 0x04, 0x07, 0x00, /* 矩形波      2 3 */
33
34     0x00, 0x01, 0x02, 0x04, 0x08, 0x10, 0x00, 0x00,
35     0x00, 0x10, 0x08, 0x04, 0x02, 0x01, 0x00, 0x00, /* 三角波      4 5 */
36
37     0x00, 0x01, 0x03, 0x05, 0x09, 0x11, 0x00, 0x00, /* 锯齿波      6 */
38 };
39 uchar code sin[64] = {
40     135, 145, 158, 167, 176, 188, 199, 209, 218, 226, 234, 240, 245, 249, 252, 254, 254, 253, 251, 247, 243, 237,
41     146, 133, 121, 108, 96, 84, 72, 61, 50, 41, 32, 24, 17, 11, 7, 3, 1, 0, 0, 2, 5, 9,
42 };
43 /* 正弦波取码 */
44 uchar code juxing[64] = {
45     255, 255, 255, 255, 255, 255, 255, 255, 255, 255, 255, 255, 255, 255, 255, 255, 255, 255, 255, 255, 255, 255,
46     255, 255, 255, 255, 255, 255, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
47 };
48 /* 矩形波取码 */
49 uchar code sanjiao[64] = {
50     0, 8, 16, 24, 32, 40, 48, 56, 64, 72, 80, 88, 96, 104, 112, 120, 128, 136, 144, 152, 160, 168,
51     248, 240, 232, 224, 216, 208, 200, 192, 184, 176, 168, 160, 152, 144, 136, 128, 120, 112, 104, 96, 88, 80,
52 };
53 /* 三角波取码 */
54 uchar code juchi[64] = {
55     0, 4, 8, 12, 16, 20, 24, 28, 32, 36, 40, 45, 49, 53, 57, 61, 65, 69, 73, 77, 81, 85,
56     146, 150, 154, 158, 162, 166, 170, 174, 178, 182, 186, 190, 194, 198, 202, 206, 210, 215, 219, 223, 227, 231,
57 };
58 /* 锯齿波取码 */
```

- 参考资料
- 软件教程
- 设计程序
- 设计仿真
- 注意事项
- 97E2528C5C6884C5D5F572CFF38868...
- 彩色原理图.pdf
- 仿真截图.png
- 黑白原理图.pdf
- 使用者必读.doc
- 演示视频.mp4
- 元器件清单.CSV