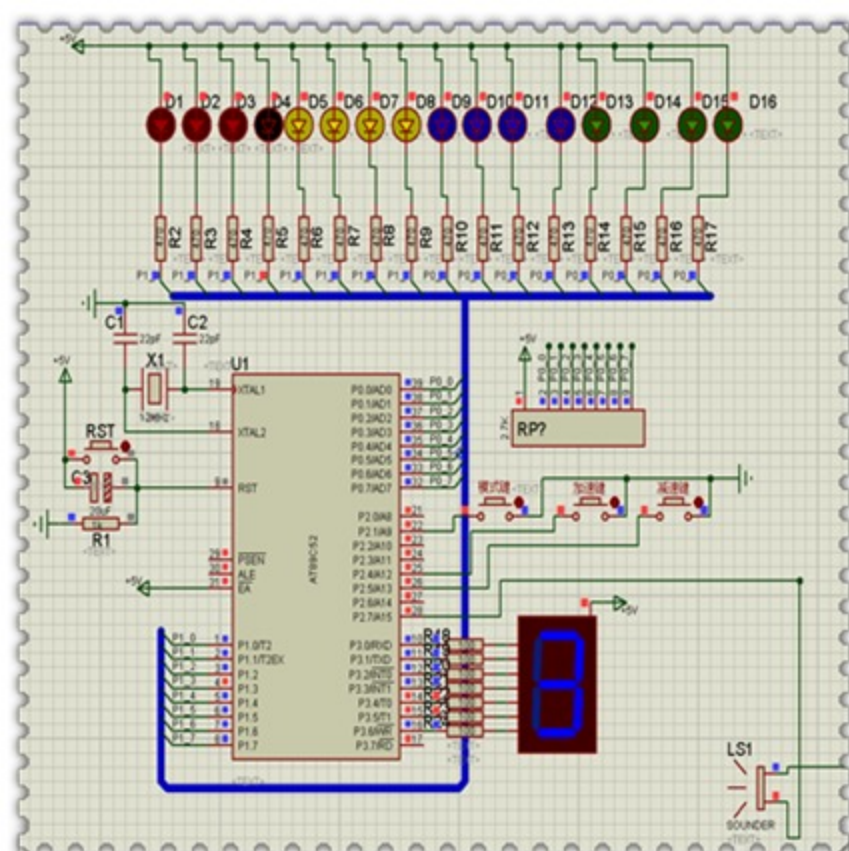




```

1 unsigned int TimerCount, SystemSpeed, SystemSpeedIndex;
2
3 unsigned int code SpeedCode[]={ 1, 2, 3, 5, 8, 10, 14, 17, 20, 30,
4                                 40, 50, 60, 70, 80, 90, 100, 120, 140, 160,
5                                 180, 200, 300, 400, 500, 600, 700, 800, 900, 1000}; //30
6 void SetSpeed(unsigned char Speed)
7 {
8     SystemSpeed = SpeedCode[Speed];
9 }
10
11 void LEDShow(unsigned int LEDStatus)
12 {
13     P1 = ~(LEDStatus & 0x00FF);
14     P0 = ~((LEDStatus >> 8) & 0x00FF);
15 }
16
17 //Mode 0
18 unsigned int LEDIndex = 0;
19 bit LEDDirection = 1, LEDFlag = 1;
20 void Mode_0(void)
21 {
22     LEDShow(0x0001 << LEDIndex);
23     LEDIndex = (LEDIndex + 1) % 16;
24 }
25 //Mode 1
26 void Mode_1(void)
27 {
28     LEDShow(0x8000 >> LEDIndex);
29     LEDIndex = (LEDIndex + 1) % 16;
30 }
31 //Mode 2
32 void Mode_2(void)
33 {
34     if(LEDDirection)
35         LEDShow(0x0001 << LEDIndex);
36     else
37         LEDShow(0x8000 >> LEDIndex);
38     if(LEDIndex == 15)
39         LEDDirection = !LEDDirection;

```