

```

/*****
*
*
*          远程 116
*          2012.summer
*          双 74HC595 级联，驱动 8 位动态数码管，
*
*****/

#include <reg52.h>

sbit ser=P1^0;
sbit rck=P1^2;
sbit sck=P1^1;

unsigned char seg[10]={0xc0,0xf9,0xa4,0xb0,0x99,0x92,0x82,0xf8,0x80,0x90}; //共阳段码
unsigned char no[8]={0x01,0x02,0x04,0x08,0x10,0x20,0x40,0x80}; //位码
unsigned char num[8]={2,0,1,2,0,7,1,3}; //显示 2012.07.13
unsigned char al;
unsigned int add;

/*****
*
*
*          延时函数
*
*****/

/* 延时 t 毫秒 */
void delay_ms(unsigned int delaytime)
{
    unsigned int i,j;
    for(i=0;i<delaytime;i++)
        for(j=0;j<125;j++); /* 对于 11.0592M 时钟，约延时 1ms */
}

/*****
*
*
*          联级 595 数据传送函数
*          传送格式（位码，段码）
*
*****/

void send_595_data(unsigned char send_address,unsigned char send_data)
{
    unsigned char i,j,temp0,temp1;
    temp0=send_address;
    temp1=send_data;

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if((a1==3)||(a1==5)) //加小数点
{
    if(add<300)
        temp1&=0x7f;
}
for(i=0;i<8;i++) //传送位码
{
    if(temp0&0x80)
        ser=1;
    else
        ser=0;
    temp0<<=1;
    rck=0;
    rck=1;
}

for(j=0;j<8;j++) //传送段码
{
    if(temp1&0x80)
        ser=1;
    else
        ser=0;
    temp1<<=1;
    rck=0;
    rck=1;
}

sck=0;
sck=1; //产生上升沿，数据移位并行输出
sck=0;
}

/*****
*
*                               主函数
*
*****/
void main(void)
{
    for(;;)
    {

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for(al=0;al<8;al++)
{
    send_595_data(~no[7-al],seg[num[al]]); //显示 2012.07.13
}
add++;
if(add==600)
    add=0;
}
}

```

