

AUO T28HJS03C MODULE INITIALIZATION CODE

```
void lcd_initialize()
{
    delay(1);
    reset=0;
    delay(10);
    reset=1;
    delay(10);

    wr_cmd(0x00,0x25);
    wr_data(0xe0,0x00);
    wr_cmd(0x00,0x00);
    wr_data(0x00,0x01);

    delay(40);

    wr_cmd(0x00,0x03);
    wr_data(0xEE,0xEE);
    wr_cmd(0x00,0x0C);
    wr_data(0x00,0x04);
    wr_cmd(0x00,0x0D);
    wr_data(0x00,0x0F);
    wr_cmd(0x00,0x0E);
    wr_data(0x30,0x00);

    delay(100);

    wr_cmd(0x00,0x1E);
    wr_data(0x00,0xAF);
    wr_cmd(0x00,0x01);
    wr_data(0x2B,0x3F);
    wr_cmd(0x00,0x02);
    wr_data(0x06,0x00);
    wr_cmd(0x00,0x10);
    wr_data(0x00,0x00);
    wr_cmd(0x00,0x11);
    wr_data(0x60,0x30);
    wr_cmd(0x00,0x05);
    wr_data(0x00,0x00);
    wr_cmd(0x00,0x06);
    wr_data(0x00,0x00);
    wr_cmd(0x00,0x07);
    wr_data(0x00,0x01);
```

```
wr_cmd(0x00,0x07);
wr_data(0x00,0x21);
wr_cmd(0x00,0x07);
wr_data(0x00,0x23);
wr_cmd(0x00,0x07);
wr_data(0x00,0x33);
wr_cmd(0x00,0x0B);
wr_data(0x00,0x00);
wr_cmd(0x00,0x0F);
wr_data(0x00,0x00);
```

```
delay(100);
```

```
wr_cmd(0x00,0x41);
wr_data(0x00,0x00);
wr_cmd(0x00,0x42);
wr_data(0x00,0x00);
wr_cmd(0x00,0x48);
wr_data(0x00,0x00);
wr_cmd(0x00,0x49);
wr_data(0x01,0x3F);
wr_cmd(0x00,0x4A);
wr_data(0x00,0x00);
wr_cmd(0x00,0x4B);
wr_data(0x00,0x00);
wr_cmd(0x00,0x44);
wr_data(0xEF,0x00);
wr_cmd(0x00,0x4E);
wr_data(0x00,0x00);
wr_cmd(0x00,0x4F);
wr_data(0x00,0x00);
wr_cmd(0x00,0x45);
wr_data(0x00,0x00);
wr_cmd(0x00,0x46);
wr_data(0x01,0x3F);
wr_cmd(0x00,0x23);
wr_data(0x00,0x00);
wr_cmd(0x00,0x24);
wr_data(0x00,0x00);
wr_cmd(0x00,0x21);
wr_data(0x00,0x00);
```

```
wr_cmd(0x00,0x30);
wr_data(0x07,0x07);
```

```
wr_cmd(0x00,0x31);  
wr_data(0x02,0x04);  
wr_cmd(0x00,0x32);  
wr_data(0x02,0x04);  
wr_cmd(0x00,0x33);  
wr_data(0x05,0x02);  
wr_cmd(0x00,0x34);  
wr_data(0x05,0x07);  
wr_cmd(0x00,0x35);  
wr_data(0x02,0x04);  
wr_cmd(0x00,0x36);  
wr_data(0x02,0x04);  
wr_cmd(0x00,0x37);  
wr_data(0x05,0x02);  
wr_cmd(0x00,0x3A);  
wr_data(0x03,0x02);  
wr_cmd(0x00,0x3B);  
wr_data(0x00,0x0F);
```

```
wr_cmd(0x00,0x23);  
wr_data(0x00,0x00);  
wr_cmd(0x00,0x24);  
wr_data(0x00,0x00);  
wr_cmd(0x00,0x28);  
wr_data(0x00,0x06);  
wr_cmd(0x00,0x2F);  
wr_data(0x12,0x2E);
```

```
wr_cmd(0x00,0x22);
```

```
delay(200);
```

```
}
```