

7 segment

```
#include <LPC17xx.h>
unsigned int delay, count=0, Switchcount=0,j;
unsigned int Disp[16]={0x000003f0, 0x00000060, 0x000005b0, 0x00000460,
0x00000660, 0x000006d0,
0x000007d0, 0x00000070, 0x000007f0, 0x00000610, 0x00000770, 0x000007c0,
0x00000390, 0x00000050, 0x00000790, 0x00000710 };
#define ALLDISP 0x00180000
#define DATAPORT 0x00000ff0
int main (void)
{
LPC_PINCON->PINSELO = 0x00000000;
LPC_PINCON->PINSEL = 0x00000000;
LPC_GPIOO->FIODIR 0x00180ff0 :
while (1)
{
LPC_GPIOO->FIOSET 1= ALLDISP;
LPC_GPIOO->FIOCLR = 0x00000ff0;
LPC_GPIOO->FIOSET = disp[switchcount];
for (j=0; j<3; j++)
for (delay=0;delay<30000;delay++);
Switchcount++;
if (Switchcount == 0x10)
{
Switchcount = 0;
LPC_GPIOO->FIOCLR = 0x00180ff0;
}
}
```