

Stepper motor

```
#include <LPC17xx.H>
void clock_wise (void) ;
void anti_clock_wise (void); unsigned long int var1, var2;
unsigned int i=0, j=0,k=0 :
int main (void)
{
IPC_PINCON->PINSEL = 0X00000000;
LPC_GPIO2->FIODIR = 0x0000000F;
while (1)
{
for (j=0 : j<30 : j++)
clock_wise () ;
for (k=0; k<50000; k++);
Or (j=0;j<30;j++)
anti_clock_wise () ;
for (k=0; k<50000; k++);
}
}
void clock wise (void)
{
{
var1 = 0x00000001;
for (i=0; i <=3 : i++)
LPC_GPIO2->FIOCIIR = 0X0000000F;
LPC_GPIO2->FIOSET = var1;
var1 = var1<<1;
for (k=0;k<15000; k++) ;
}
}
void anti_clock wise (void)
{
{
var1 = 0x00000008;
for (i=0; i<=3; i++)
{
LPC_GPIO2->FIOCIIR = 0X0000000E;
LPC_GPIO2->FIOSET = var1;
var1 = var1>>1;
for (k=0; k<15000;k++);
}
}
}
```