

DC Motor

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211039002

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#include<lpc214x.h>

#define bit(x) (1<<x)

#define delay for(i=0;i<=60000;i++)

unsigned int i;

int main()
{
    IO0DIR=0xf;           //Declaring as a output
    IO0PIN=0;             //Clear all IO Pins in P0
    VPBDIV=0x01;         //PCLK = 60MHz
    while(1) {
        /*Forward*/
        IO0SET=bit(0);    //IN1 = 1
        IO0CLR=bit(1);    //IN2 = 0
        delay;delay;
        /*Off*/
        IO0CLR=bit(0)|bit(1); //IN1 = IN2 = 0
        delay;delay;
        /*Reverse*/
        IO0SET=bit(1);    //IN2 = 1
        IO0CLR=bit(0);    //IN0 = 1
        delay;delay;
        /*Off*/
        IO0CLR=bit(0)|bit(1); //IN1 = IN2 = 0
        delay;delay;
    }
}
```

