Experiment 8

Interface a Stepper motor and rotate it in clockwise and anti-clockwise direction.

#include <LPC214X.h>

void delay();

void delay() // Delay Routine

{

int i,j;

for(i=0;i<0xff;i++)

for(j=0;j<0x25;j++);

}

int main()

{

IO0DIR=0x000F0000; //Port selection

while(1)

{ // Anticlock wise rotation.

IO0PIN=0x00080000; //For Clkwise send 1,2,4,8 instead of 8,4,2,1

delay();

IO0PIN=0x00040000;

delay();

IO0PIN=0x00020000;

delay();

IO0PIN=0x00010000;

delay();

}

}