May

## Using Push Button Switch with 8051 and Keil C – AT89C51

KEIL C Program

#include<reg52.h> /\* special function register declarations \*/

/\* for the intended 8051 derivative \*/

sbit LED\_pin = P2^0; //Defining LED PIN

sbit switch\_pin = P0^0; //Defining Switch PIN

void Delay(int); //Function prototype declaration

void main (void)

{

switch\_pin = 1; // Making Switch PIN input

LED\_pin=1; //LED off initially

while(1) //infinite loop

{

if(switch\_pin == 0 ) //If switch pressed

{

LED\_pin = 0; //LED ON

Delay(2000); //Delay

LED\_pin = 1; //LED OFF

}

}

}

void Delay(int k)

{

int j;

int i;

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

{

for(j=0;j<100;j++)

{

}

}

}

