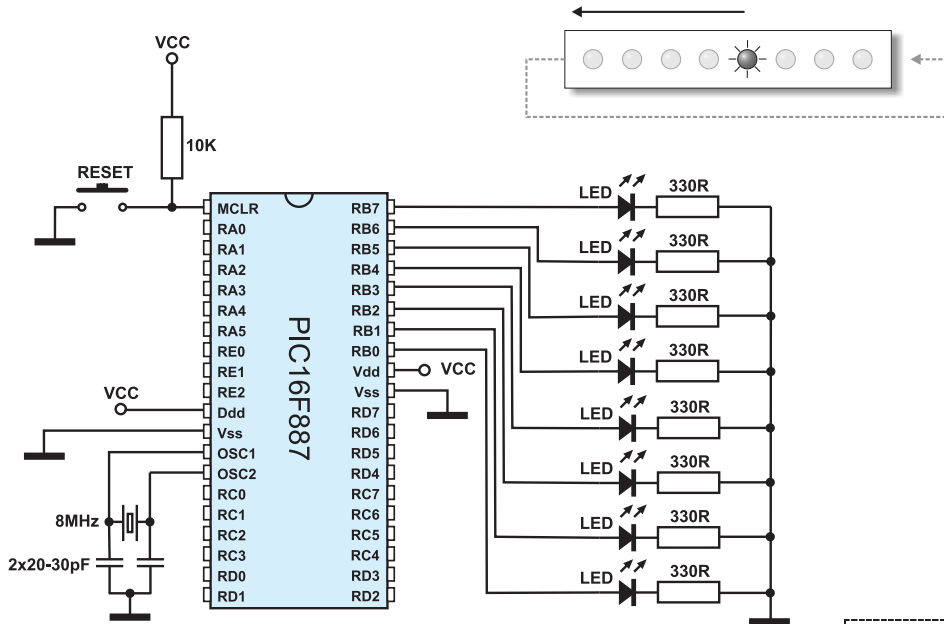


EXAMPLE 5

Using watch-dog timer

This example illustrates how the watch-dog timer should not be used. A command used for resetting this timer is intentionally left out in the main program loop, thus enabling it to win the time battle and cause the microcontroller to be reset. As a result, the microcontroller will be reset all the time, which is reflected as PORTB LED blinking.



Example 5

```

/*Header*****
void main() {
    OPTION_REG = 0x0E; // Prescaler is assigned to timer WDT (1:64)
    asm CLRWDT; // Assembly command to reset WDT timer
    PORTB = 0x0F; // Initial value of the PORTB register
    TRISB = 0; // All port B pins are configured as outputs
    Delay_ms(300); // 30mS delay
    PORTB = 0xF0; // Porta B value different from initial

    while (1); // Endless loop. Program remains here until WDT
                // timer resets the microcontroller
}
    
```

In order to make this example work properly, it is necessary to enable the watchdog timer by selecting the **Watchdog Timer - Enabled** option in **mE programmer**.

