EV Embedded Systems Task

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File List

Here is a list of all files with brief descriptions:

File Documentation

Gpio.c File Reference

```
#include "Gpio.h"
#include <avr/io.h>
```

Functions

- void **GpioInit** ()
  prototype for GpioInit Function

Function Documentation

void GpioInit ()

prototype for GpioInit Function

Setting OC1A & OC1B as Outputs

Definition at line 9 of file Gpio.c.

Gpio.h File Reference

Macros

- #define **SetBit**(Reg, Bit) Reg|= (1<<Bit)
  Macros to Clear and Set the Bits.

- #define **ClearBit**(Reg, Bit) Reg&= ~(1<<Bit)

Functions

- void **GpioInit** ()
  prototype for GpioInit Function

Macro Definition Documentation

#define ClearBit(Reg, Bit) Reg&= ~(1<<Bit)

Definition at line 15 of file Gpio.h.

#define SetBit(Reg, Bit) Reg|= (1<<Bit)

Macros to Clear and Set the Bits.

Definition at line 14 of file Gpio.h.

Function Documentation

void GpioInit ()

prototype for GpioInit Function

Setting OC1A & OC1B as Outputs

Definition at line 9 of file Gpio.c.

main.c File Reference

```
#include <avr/io.h>
#include "Gpio.h"
#include "Timer1.h"
```

Functions

- int **main** (void)
  CPU Clock Frequency = 8MHz.

Function Documentation

int main (void)

CPU Clock Frequency = 8MHz.

Definition at line 13 of file main.c.

Timer1.c File Reference

```
#include "Timer1.h"
#include <avr/io.h>
```

Functions

- void **Timer1Init** ()
  protoype for Timer1Init Function

Function Documentation

void Timer1Init ()

protoype for Timer1Init Function

Definition at line 10 of file Timer1.c.

Timer1.h File Reference

```
#include "Gpio.h"
```

Functions

- void **Timer1Init** ()
  protoype for Timer1Init Function

Function Documentation

void Timer1Init ()

protoype for Timer1Init Function

Definition at line 10 of file Timer1.c.

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