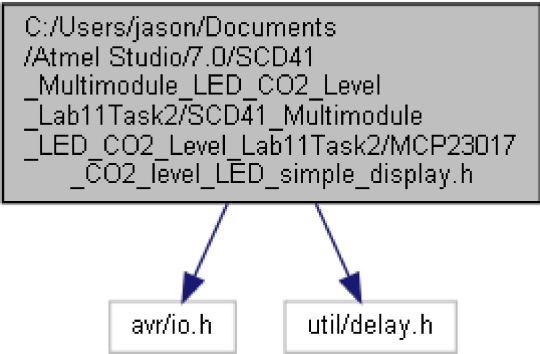


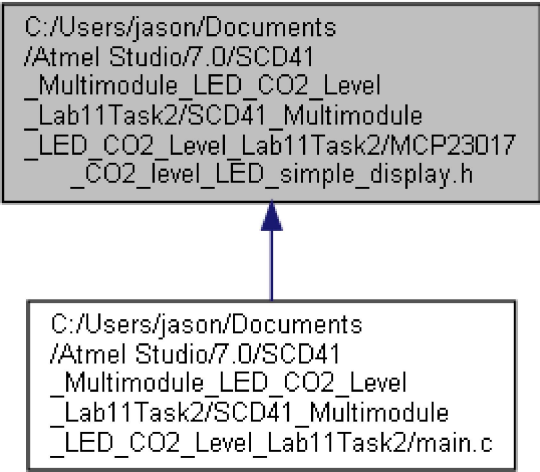
MCP23017_CO2_level_LED_simple_display.h File Reference

```
#include <avr/io.h>
#include <util/delay.h>
```

Include dependency graph for MCP23017_CO2_level_LED_simple_display.h:



This graph shows which files directly or indirectly include this file:



[Go to the source code of this file.](#)

Macros

```
#define F_CPU 4000000
#define IOCONaddr_b0 0x0A
#define IOCONaddr_b1 0x05
#define IODIRAaddr_b1 0x00
#define IODIRBaddr_b1 0x10
#define GPPUAaddr_b1 0x06
#define GPIOAaddr_b1 0x09
#define OLATBaddr_b1 0x1A
#define WRITE_opcode 0x40
#define READ_opcode 0x41
```

Functions

void **I2C0_MCP23017_init** ()

void **MCP23017_I2C_init** ()

void **MCP23017_I2C_write** (uint8_t, uint8_t, uint8_t)

Macro Definition Documentation

◆ F_CPU

```
#define F_CPU 4000000
```

Definition at line **14** of file **MCP23017_CO2_level_LED_simple_display.h**.

◆ GPIOAaddr_b1

```
#define GPIOAaddr_b1 0x09
```

Definition at line **23** of file **MCP23017_CO2_level_LED_simple_display.h**.

◆ GPPUAaddr_b1

```
#define GPPUAaddr_b1 0x06
```

Definition at line **22** of file **MCP23017_CO2_level_LED_simple_display.h**.

◆ IOCONaddr_b0

```
#define IOCONaddr_b0 0x0A
```

Definition at line **18** of file **MCP23017_CO2_level_LED_simple_display.h**.

◆ IOCONaddr_b1

```
#define IOCONAddr_b1 0x05
```

Definition at line **19** of file **MCP23017_CO2_level_LED_simple_display.h**.

◆ IODIRAaddr_b1

```
#define IODIRAaddr_b1 0x00
```

Definition at line **20** of file **MCP23017_CO2_level_LED_simple_display.h**.

◆ IODIRBaddr_b1

```
#define IODIRBaddr_b1 0x10
```

Definition at line **21** of file **MCP23017_CO2_level_LED_simple_display.h**.

◆ OLATBaddr_b1

```
#define OLATBaddr_b1 0x1A
```

Definition at line **24** of file **MCP23017_CO2_level_LED_simple_display.h**.

◆ READ_opcode

```
#define READ_opcode 0x41
```

Definition at line **26** of file **MCP23017_CO2_level_LED_simple_display.h**.

◆ WRITE_opcode

```
#define WRITE_opcode 0x40
```

Definition at line **25** of file **MCP23017_CO2_level_LED_simple_display.h**.

Function Documentation

◆ I2C0_MCP23017_init()

```
void I2C0_MCP23017_init ( )
```

Definition at line **38** of file **MCP23017_CO2_level_LED_simple_display.h**.

Here is the caller graph for this function:



◆ MCP23017_I2C_init()

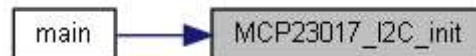
```
void MCP23017_I2C_init ( )
```

Definition at line **54** of file **MCP23017_CO2_level_LED_simple_display.h**.

Here is the call graph for this function:



Here is the caller graph for this function:



◆ MCP23017_I2C_write()

```
void MCP23017_I2C_write ( uint8_t opcode,  
                           uint8_t address,  
                           uint8_t data  
                           )
```

Definition at line **65** of file **MCP23017_CO2_level_LED_simple_display.h**.

Here is the caller graph for this function:

