

UART

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Chapter 1

File Index

1.1 File List

Here is a list of all files with brief descriptions:

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Chapter 2

File Documentation

2.1 D:/PICLabs/Demo7_Comm_UART/configuration_bits.c File Reference

2.2 D:/PICLabs/Demo7_Comm_UART/main.c File Reference

```
#include <stdint.h>
#include <stdbool.h>
#include "user.h"
```

Functions

- `int32_t main (void)`

2.2.1 Function Documentation

2.2.1.1 main()

```
int32_t main (
    void )
```

2.3 D:/PICLabs/Demo7_Comm_UART/UART.c File Reference

```
#include "UART.h"
```

Functions

- void [UART4_init](#) (void)
- char [UART4_getc](#) (void)
- void [UART4_putc](#) (char c)
- void [UART4_puts](#) (char *s)
- void [UART4_test](#) (void)

2.3.1 Function Documentation

2.3.1.1 UART4_getc()

```
char UART4_getc (  
    void )
```

2.3.1.2 UART4_init()

```
void UART4_init (  
    void )
```

Function prototype:

Summary:

Description:

Precondition:

Parameters:

Returns:

Example:

Remarks:

2.3.1.3 UART4_putc()

```
void UART4_putc (  
    char c )
```


2.3.1.4 UART4_puts()

```
void UART4_puts (
    char * s )
```

2.3.1.5 UART4_test()

```
void UART4_test (
    void )
```

Function:

Summary:

Description:

Remarks:

2.4 D:/PICLabs/Demo7_Comm_UART/UART.h File Reference

```
#include <xc.h>
```

Functions

- void [UART4_init](#) (void)
- char [UART4_getc](#) (void)
- void [UART4_putc](#) (char c)
- void [UART4_puts](#) (char *s)
- void [UART4_test](#) (void)

2.4.1 Function Documentation

2.4.1.1 UART4_getc()

```
char UART4_getc (
    void )
```

2.4.1.2 UART4_init()

```
void UART4_init (
    void )
```

Function prototype:**Summary:****Description:****Precondition:****Parameters:****Returns:****Example:****Remarks:**

2.4.1.3 UART4_putc()

```
void UART4_putc (
    char c )
```

2.4.1.4 UART4_puts()

```
void UART4_puts (
    char * s )
```

2.4.1.5 UART4_test()

```
void UART4_test (
    void )
```

Function:**Summary:****Description:****Remarks:**

2.5 D:/PICLabs/Demo7_Comm_UART/user.c File Reference

```
#include <stdint.h>
#include <stdbool.h>
#include "user.h"
#include <sys/attrs.h>
```

Functions

- void [InitGPIO](#) (void)
- void [InitApp](#) (void)

2.5.1 Function Documentation

2.5.1.1 InitApp()

```
void InitApp (
    void )
```

2.5.1.2 InitGPIO()

```
void InitGPIO (
    void )
```

2.6 D:/PICLabs/Demo7_Comm_UART/user.h File Reference

```
#include <stdint.h>
```

Macros

- #define [LD1_PORT_BIT](#) LATGbits.LATG6
- #define [LD2_PORT_BIT](#) LATDbits.LATD4
- #define [LD3_PORT_BIT](#) LATBbits.LATB11
- #define [LD4_PORT_BIT](#) LATGbits.LATG15
- #define [BTN1_PORT_BIT](#) PORTAbits.RA5
- #define [BTN2_PORT_BIT](#) PORTAbits.RA4

Functions

- void [InitApp](#) (void)
- void [DelayMs](#) (int t)

2.6.1 Macro Definition Documentation

2.6.1.1 BTN1_PORT_BIT

```
#define BTN1_PORT_BIT PORTAbits.RA5
```

2.6.1.2 BTN2_PORT_BIT

```
#define BTN2_PORT_BIT PORTAbits.RA4
```

2.6.1.3 LD1_PORT_BIT

```
#define LD1_PORT_BIT LATGbits.LATG6
```

2.6.1.4 LD2_PORT_BIT

```
#define LD2_PORT_BIT LATDbits.LATD4
```

2.6.1.5 LD3_PORT_BIT

```
#define LD3_PORT_BIT LATBbits.LATB11
```

2.6.1.6 LD4_PORT_BIT

```
#define LD4_PORT_BIT LATGbits.LATG15
```

2.6.2 Function Documentation

2.6.2.1 DelayMs()

```
void DelayMs (  
    int t )
```

2.6.2.2 InitApp()

```
void InitApp (  
    void )
```


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