mbed-lib

1.0

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Chapter 1

Module Index

1.1 Modules

Here is a list of all modules:

CAN baudrates
MBED_CAN0 buffers
MBED_CAN1 buffers
Initalization flags
Status flags
General purpose I/O pins
Port configuration
Device IDs
CANopen objects
Network management commands

2 Module Index

Chapter 2

File Index

2.1 File List

Here is a list of all documented files with brief descriptions:

ed.h	
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ed_led.h	?
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Chapter 3

Module Documentation

3.1 CAN baudrates

3.1.1 Detailed Description

Baudrates for the CAN interfaces. These are set via setCANBaudrate().

3.2 MBED_CAN0 buffers

3.2.1 Detailed Description

Receive and transmit buffers for the MBED_CAN0 interface.

3.3 MBED_CAN1 buffers

3.3.1 Detailed Description

Receive and transmit buffers for the MBED_CAN0 interface.

3.4 Initalization flags

Defines

```
#define INIT_LED (1 << 1)</li>
#define INIT_MUSB (1 << 2)</li>
#define INIT_SERIAL0 (1 << 3)</li>
#define INIT_SERIAL1 (1 << 4)</li>
#define INIT_SERIAL2 (1 << 5)</li>
#define INIT_CAN0 (1 << 6)</li>
#define INIT_CAN1 (1 << 7)</li>
#define INIT_TIMER0 (1 << 8)</li>
#define INIT_TIMER1 (1 << 9)</li>
#define INIT_TIMER3 (1 << 10)</li>
#define INIT_TIMER3 (1 << 11)</li>
#define INIT_GPI (1 << 12)</li>
```

#define INIT_GPO (1 << 13)

3.4.1 Detailed Description

These flags indicate which functionality should be initialized.

See also

initSys()

3.4.2 Define Documentation

```
3.4.2.1 #define INIT_CAN0 (1 << 6)
```

CAN on DIP 9/10 (CAN1).

3.4.2.2 #define INIT_CAN1 (1 << 7)

CAN on DIP 29/30 (CAN2).

3.4.2.3 $\,$ #define INIT_GPI (1 << 12)

Initialize general purpose input ports.

3.4.2.4 #define INIT_GPO (1 << 13)

Initialize general purpose output ports.

3.4.2.5 #define INIT_LED (1 << 1)

Initialize the four blue LEDs.

3.4.2.6 #define INIT_MUSB (1 << 2)

Serial on mini USB-B port (UART0).

3.4.2.7 #define INIT_SERIAL0 (1 << 3)

Serial on DIP 13/14 (UART1).

3.4.2.8 #define INIT_SERIAL1 (1 << 4)

Serial on DIP 27/28 (UART2).

3.4.2.9 #define INIT_SERIAL2 (1 << 5)

Serial on DIP 9/10 (UART3).

3.4.2.10 #define INIT_TIMER0 (1 << 8)

Initialize TIMER0.

3.4.2.11 #define INIT_TIMER1 (1 << 9)

Initialize TIMER1.

3.4.2.12 #define INIT_TIMER2 (1 << 10)

Initialize TIMER2.

3.4.2.13 #define INIT_TIMER3 (1 << 11)

Initialize TIMER3.

3.5 Status flags

Defines

- #define MBED SYS INIT (1 << 0)
- #define MBED_LED_INIT (1 << 1)
- #define MBED_MUSB_INIT (1 << 2)
- #define MBED_SERIAL0_INIT (1 << 3)
- #define MBED_SERIAL1_INIT (1 << 4)
- #define MBED SERIAL2 INIT (1 << 5)
- #define MBED_CAN0_INIT (1 << 6)
- #define MBED CAN1 INIT (1 << 7)
- #define MBED_TIMER0_INIT (1 << 8)
- #define MBED_TIMER1_INIT (1 << 9)
- #define MBED_TIMER2_INIT (1 << 10)
- #define MBED_TIMER3_INIT (1 << 11)
- #define MBED_GPI_INIT (1 << 12)
- #define MBED_GPO_INIT (1 << 13)

3.5.1 Detailed Description

These flags indicate which functionality has been successfully initialized.

3.5.2 Define Documentation

3.5.2.1 #define MBED_CAN0_INIT (1 << 6)

CAN1 initialized.

3.5.2.2 #define MBED_CAN1_INIT (1 << 7)

CAN2 initialized.

3.5.2.3 #define MBED_GPI_INIT (1 << 12)

General purpose inputs initialized.

3.5.2.4 #define MBED_GPO_INIT (1 << 13)

General purpose outputs initialized.

3.5.2.5 #define MBED_LED_INIT (1 << 1)

The four LEDs are initialized.

3.5 Status flags

3.5.2.6 #define MBED_MUSB_INIT (1 << 2)

Serial communication functionality on the mini USB-B port initialized.

3.5.2.7 #define MBED_SERIAL0_INIT (1 << 3)

UART1 initialized.

3.5.2.8 #define MBED_SERIAL1_INIT (1 << 4)

UART2 initialized.

3.5.2.9 #define MBED_SERIAL2_INIT (1 << 5)

UART3 initialized.

3.5.2.10 #define MBED_SYS_INIT (1 << 0)

System initialization complete.

3.5.2.11 #define MBED_TIMER0_INIT (1 << 8)

TIMER0 initialized.

3.5.2.12 #define MBED_TIMER1_INIT (1 << 9)

TIMER1 initialized.

3.5.2.13 #define MBED_TIMER2_INIT (1 << 10)

TIMER2 initialized.

3.5.2.14 #define MBED_TIMER3_INIT (1 << 11)

TIMER3 initialized.

3.6 General purpose I/O pins

Defines

 #define MBED GPIOX (1 << 0) #define MBED_GPIO5 (1 << 1) #define MBED_GPIO6 (1 << 2) • #define MBED_GPIO7 (1 << 3) • #define MBED GPIO8 (1 << 4) • #define MBED_GPIO9 (1 << 5) • #define MBED_GPIO10 (1 << 6) #define MBED_GPIO11 (1 << 7) #define MBED_GPIO12 (1 << 8) • #define MBED_GPIO13 (1 << 9) • #define MBED_GPIO14 (1 << 10) #define MBED GPIO15 (1 << 11) #define MBED_GPIO16 (1 << 12) #define MBED GPIO17 (1 << 13) • #define MBED_GPIO18 (1 << 14) • #define MBED_GPIO19 (1 << 15) • #define MBED GPIO20 (1 << 16) #define MBED_GPIO21 (1 << 17) #define MBED GPIO22 (1 << 18) • #define MBED_GPIO23 (1 << 19) #define MBED GPIO24 (1 << 20) #define MBED_GPIO25 (1 << 21) #define MBED GPIO26 (1 << 22) • #define MBED GPIO27 (1 << 23) #define MBED GPIO28 (1 << 24) #define MBED_GPIO29 (1 << 25)

3.6.1 Detailed Description

Enumeration of general purpose I/O pins.

• #define MBED_GPIO30 (1 << 26)

3.6.2 Define Documentation

```
3.6.2.1 \, #define MBED_GPIO10 (1 << 6)
```

DIP 10.

3.6.2.2 #define MBED_GPIO11 (1 << 7)

DIP 11.

```
3.6.2.3 #define MBED_GPIO12 (1 << 8)
DIP 12.
3.6.2.4 #define MBED_GPIO13 (1 << 9)
DIP 13.
3.6.2.5 #define MBED_GPIO14 (1 << 10)
DIP 14.
3.6.2.6 #define MBED_GPIO15 (1 << 11)
DIP 15.
3.6.2.7 #define MBED_GPIO16 (1 << 12)
DIP 16.
3.6.2.8 #define MBED_GPIO17 (1 << 13)
DIP 17.
3.6.2.9 #define MBED_GPIO18 (1 << 14)
DIP 18.
3.6.2.10 #define MBED_GPIO19 (1 << 15)
DIP 19.
3.6.2.11 #define MBED_GPIO20 (1 << 16)
DIP 20.
3.6.2.12 #define MBED_GPIO21 (1 << 17)
DIP 21.
```

```
3.6.2.13 #define MBED_GPIO22 (1 << 18)
DIP 22.
3.6.2.14 #define MBED_GPIO23 (1 << 19)
DIP 23.
3.6.2.15 #define MBED_GPIO24 (1 << 20)
DIP 24.
3.6.2.16 #define MBED_GPIO25 (1 << 21)
DIP 25.
3.6.2.17 #define MBED_GPIO26 (1 << 22)
DIP 26.
3.6.2.18 #define MBED_GPIO27 (1 << 23)
DIP 27.
3.6.2.19 #define MBED_GPIO28 (1 << 24)
DIP 28.
3.6.2.20 #define MBED_GPIO29 (1 << 25)
DIP 29.
3.6.2.21 #define MBED_GPIO30 (1 << 26)
DIP 30.
3.6.2.22 #define MBED_GPIO5 (1 << 1)
```

DIP 5.

3.6.2.23 #define MBED_GPIO6 (1 << 2)

DIP 6.

3.6.2.24 $\,$ #define MBED_GPIO7 (1 << 3)

DIP 7.

3.6.2.25 #define MBED_GPIO8 (1 << 4)

DIP 8.

3.6.2.26 #define MBED_GPIO9 (1 << 5)

DIP 9.

3.6.2.27 #define MBED_GPIOX (1 << 0)

Not configured.

3.7 Port configuration

Defines

- #define MBED_GPIO_P0 (MBED_GPIO5 | MBED_GPIO6 | MBED_GPIO7 | MBED_GPIO8 | MBED_GPIO9 | MBED_GPIO10 | MBED_GPIO11 | MBED_GPIO12 | MBED_GPIO13 | MBED_GPIO14 | MBED_GPIO15 | MBED_GPIO16 | MBED_GPIO17 | MBED_GPIO18 | MBED_GPIO27 | MBED_GPIO28 | MBED_GPIO29 | MBED_GPIO30)
- #define MBED_GPIO_P1 (MBED_GPIO19 | MBED_GPIO20)
- #define MBED_GPIO_P2 (MBED_GPIO21 | MBED_GPIO22 | MBED_GPIO23 | MBED_GPIO24 | MBED_GPIO25 | MBED_GPIO26)

3.7.1 Detailed Description

Configuration of GPIO pins on the different ports.

3.7.2 Define Documentation

3.7.2.1 #define MBED_GPIO_P0 (MBED_GPIO5 | MBED_GPIO6 | MBED_GPIO7 | MBED_GPIO8 | MBED_GPIO9 | MBED_GPIO10 | MBED_GPIO11 | MBED_GPIO12 | MBED_GPIO13 | MBED_GPIO14 | MBED_GPIO15 | MBED_GPIO16 | MBED_GPIO17 | MBED_GPIO18 | MBED_GPIO27 | MBED_GPIO28 | MBED_GPIO29 | MBED_GPIO30)

GPIO on port 0.

3.7.2.2 #define MBED_GPIO_P1 (MBED_GPIO19 | MBED_GPIO20)

GPIO on port 1.

3.7.2.3 #define MBED_GPIO_P2 (MBED_GPIO21 | MBED_GPIO22 | MBED_GPIO23 | MBED_GPIO24 | MBED_GPIO25 | MBED_GPIO26)

GPIO on port 2.

3.8 Device IDs 17

3.8 Device IDs

Defines

- #define MBED SERIAL0 0
- #define MBED_SERIAL1 1
- #define MBED_SERIAL2 2
- #define MBED_CAN0 0
- #define MBED CAN1 1
- #define MBED_TIMER0 0
- #define MBED_TIMER1 1
- #define MBED_TIMER2 2
- #define MBED_TIMER3 3

3.8.1 Detailed Description

ID enumeration of various devices.

3.8.2 Define Documentation

3.8.2.1 #define MBED_CAN0 0

CAN1 on DIP 9/10.

3.8.2.2 #define MBED_CAN1 1

CAN2 on DIP 29/30.

3.8.2.3 #define MBED_SERIAL0 0

UART1 on DIP 13/14.

3.8.2.4 #define MBED_SERIAL1 1

UART2 on DIP 27/28.

3.8.2.5 #define MBED_SERIAL2 2

UART3 on DIP 9/10.

3.8.2.6 #define MBED_TIMER0 0

TIMER0.

3.8.2.7 #define MBED_TIMER1 1

TIMER1.

3.8.2.8 #define MBED_TIMER2 2

TIMER2.

3.8.2.9 #define MBED_TIMER3 3

TIMER3.

3.9 CANopen objects

Defines

```
    #define CAN_COB_NMT (0 << 7)</li>
```

- #define CAN_COB_SYNC (1 << 7)
- #define CAN COB TIME (2 << 7)
- #define CAN_COB_EMCY (1 << 7)
- #define CAN_COB_TPDO1 (3 << 7)
- #define CAN_COB_RPDO1 (4 << 7)
- #define CAN COB TPDO2 (5 << 7)
- #define CAN COB RPDO2 (6 << 7)
- #define CAN_COB_TPDO3 (7 << 7)
- #define CAN_COB_RPDO3 (8 << 7)
- #define CAN_COB_TPDO4 (9 << 7)
- #define CAN_COB_RPDO4 (10 << 7)
- #define CAN COB TSDO (11 << 7)
- #define CAN COB RSDO (12 << 7)
- #define CAN_COB_ERROR_CONTROL (14 << 7)

3.9.1 Detailed Description

These define numeric identifiers for a set of CANopen object types.

3.9.2 Define Documentation

3.9.2.1 #define CAN_COB_EMCY (1 << 7)

Emergency.

3.9.2.2 #define CAN_COB_ERROR_CONTROL (14 << 7)

Error control.

3.9.2.3 #define CAN_COB_NMT (0 << 7)

Network management.

3.9.2.4 #define CAN_COB_RPDO1 (4 << 7)

PDO1 receive.

```
3.9.2.5 #define CAN_COB_RPDO2 (6 << 7)
PDO2 receive.
3.9.2.6 #define CAN_COB_RPDO3 (8 << 7)
PDO3 receive.
3.9.2.7 #define CAN_COB_RPDO4 (10 << 7)
PDO4 receive.
3.9.2.8 #define CAN_COB_RSDO (12 << 7)
SDO receive.
3.9.2.9 #define CAN_COB_SYNC (1 << 7)
Synchronization.
3.9.2.10 #define CAN_COB_TIME (2 << 7)
Timestamp.
3.9.2.11 #define CAN_COB_TPDO1 (3 << 7)
PDO1 transmit.
3.9.2.12 #define CAN_COB_TPDO2 (5 << 7)
PDO2 transmit.
3.9.2.13 #define CAN_COB_TPDO3 (7 << 7)
```

PDO3 transmit.

PDO4 transmit.

3.9.2.14 #define CAN_COB_TPDO4 (9 << 7)

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SDO transmit.

3.10 Network management commands

Defines

- #define CAN_NMT_START 0x01
- #define CAN_NMT_STOP 0x02
- #define CAN_NMT_PREOP 0x80
- #define CAN_NMT_RESET 0x81
- #define CAN_NMT_RSCOMM 0x82

3.10.1 Detailed Description

CANOpen network management commands are used for node control.

3.10.2 Define Documentation

3.10.2.1 #define CAN_NMT_PREOP 0x80

Enter pre-operational state.

3.10.2.2 #define CAN_NMT_RESET 0x81

Reset node.

3.10.2.3 #define CAN_NMT_RSCOMM 0x82

Reset node communication.

3.10.2.4 #define CAN_NMT_START 0x01

Start node.

3.10.2.5 #define CAN_NMT_STOP 0x02

Stop node.

Chapter 4

File Documentation

4.1 mbed.h File Reference

In this file are all device definitions for the mbed platform.

```
#include "LPC17xx.h" #include "mbed_can.h" #include "mbed-
_gpio.h" #include "mbed_led.h" #include "mbed_musb.h" x
#include "mbed serial.h" #include "mbed timer.h"
```

Defines

- #define MBED_H
- #define INIT_LED (1 << 1)
- #define INIT_MUSB (1 << 2)
- #define INIT_SERIAL0 (1 << 3)
- #define INIT_SERIAL1 (1 << 4)
- #define INIT_SERIAL2 (1 << 5)
- #define INIT_CAN0 (1 << 6)
- #define INIT_CAN1 (1 << 7)
- #define INIT_TIMER0 (1 << 8)
- #define INIT_TIMER1 (1 << 9)
- #define INIT_TIMER2 (1 << 10)
- #define INIT_TIMER3 (1 << 11)
- #define INIT CDI (1 < < 10)
- #define INIT_GPI (1 << 12)
- #define INIT_GPO (1 << 13)
- #define MBED_SYS_INIT (1 << 0)
- #define MBED_LED_INIT (1 << 1)
- #define MBED_MUSB_INIT (1 << 2)
- #define MBED_SERIAL0_INIT (1 << 3)#define MBED_SERIAL1_INIT (1 << 4)
- #define MBED_SERIAL2_INIT (1 << 5)
- #define MBED CANO INIT (1 << 6)

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```
    #define MBED CAN1 INIT (1 << 7)</li>

    #define MBED_TIMER0_INIT (1 << 8)</li>

    #define MBED_TIMER1_INIT (1 << 9)</li>

    #define MBED_TIMER2_INIT (1 << 10)</li>

    #define MBED_TIMER3_INIT (1 << 11)</li>

    #define MBED GPI INIT (1 << 12)</li>

• #define MBED_GPO_INIT (1 << 13)

    #define MBED GPIOX (1 << 0)</li>

• #define MBED_GPIO5 (1 << 1)
• #define MBED GPIO6 (1 << 2)

    #define MBED GPIO7 (1 << 3)</li>

    #define MBED GPIO8 (1 << 4)</li>

    #define MBED_GPIO9 (1 << 5)</li>

    #define MBED_GPIO10 (1 << 6)</li>

    #define MBED GPIO11 (1 << 7)</li>

    #define MBED GPIO12 (1 << 8)</li>

    #define MBED GPIO13 (1 << 9)</li>

    #define MBED GPIO14 (1 << 10)</li>

    #define MBED_GPIO15 (1 << 11)</li>

    #define MBED_GPIO16 (1 << 12)</li>

• #define MBED_GPIO17 (1 << 13)

    #define MBED GPIO18 (1 << 14)</li>

    #define MBED GPIO19 (1 << 15)</li>

    #define MBED GPIO20 (1 << 16)</li>

    #define MBED GPIO21 (1 << 17)</li>

    #define MBED_GPIO22 (1 << 18)</li>

    #define MBED_GPIO23 (1 << 19)</li>

    #define MBED GPIO24 (1 << 20)</li>

    #define MBED GPIO25 (1 << 21)</li>

    #define MBED_GPIO26 (1 << 22)</li>

    #define MBED GPIO27 (1 << 23)</li>

    #define MBED GPIO28 (1 << 24)</li>

    #define MBED GPIO29 (1 << 25)</li>

    #define MBED GPIO30 (1 << 26)</li>

• #define MBED_GPIO_P0 (MBED_GPIO5 | MBED_GPIO6 | MBED_GPIO7 | M-
  BED GPIO8 | MBED GPIO9 | MBED GPIO10 | MBED GPIO11 | MBED GP-
  IO12 | MBED GPIO13 | MBED GPIO14 | MBED GPIO15 | MBED GPIO16 |
  MBED GPIO17 | MBED GPIO18 | MBED GPIO27 | MBED GPIO28 | MBED -
  GPIO29 | MBED_GPIO30)
```

- #define MBED_GPIO_P1 (MBED_GPIO19 | MBED_GPIO20)
- #define MBED_GPIO_P2 (MBED_GPIO21 | MBED_GPIO22 | MBED_GPIO23 | MBED_GPIO24 | MBED_GPIO25 | MBED_GPIO26)
- #define MBED SERIAL0 0
- #define MBED_SERIAL1 1
- #define MBED_SERIAL2 2
- #define MBED CAN0 0
- #define MBED CAN1 1

- #define MBED TIMER0 0
- #define MBED_TIMER1 1
- #define MBED_TIMER2 2
- #define MBED TIMER3 3

Functions

• void initSys (uint32_t)

System initialization function.

Variables

• uint32_t mbedStatus

4.1.1 Detailed Description

In this file are all device definitions for the mbed platform. Via these defines, all hardware peripherals are identified and initialized. Initalization flags are used to indicate which peripherals should be initialized upons startup. Status flags set in mbedStatus then indicate which peripherals have been successfully initialized.

A number of device IDs is defined to identify various devices.

All mbed header files are included here for convience, so that including this header file is sufficient.

4.1.2 Define Documentation

4.1.2.1 #define MBED_H

Header guard.

4.1.3 Function Documentation

4.1.3.1 void initSys (uint32_t flags)

System initialization function.

This function initializes the LPC1768 clock registers and any other functionality that is required.

Parameters

flags | Functionality to be initialized, indicated by setting corresponding bits.

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See also

Initalization flags

4.1.4 Variable Documentation

4.1.4.1 uint32_t mbedStatus

Global status register.

See also

Status flags

4.2 mbed_can.h File Reference

Various definitions for the CANopen implementation.

```
#include "LPC17xx.h" #include "lpc17xx_can.h" #include
"lpc17xx_pinsel.h"
```

Defines

- #define MBED CAN H
- #define CAN COB NMT (0 << 7)
- #define CAN_COB_SYNC (1 << 7)
- #define CAN_COB_TIME (2 << 7)
- #define CAN_COB_EMCY (1 << 7)
- #define CAN_COB_TPDO1 (3 << 7)
- #define CAN_COB_RPDO1 (4 << 7)
- #define CAN_COB_TPDO2 (5 << 7)
- #define CAN_COB_RPDO2 (6 << 7)
- #define CAN_COB_TPDO3 (7 << 7)
- #define CAN_COB_RPDO3 (8 << 7)
- #define CAN_COB_TPDO4 (9 << 7)
- #define CAN_COB_RPDO4 (10 << 7)
- #define CAN_COB_TSDO (11 << 7)
- #define CAN COB RSDO (12 << 7)
- #define CAN_COB_ERROR_CONTROL (14 << 7)
- #define CAN_NMT_START 0x01
- #define CAN_NMT_STOP 0x02
- #define CAN_NMT_PREOP 0x80
- #define CAN_NMT_RESET 0x81
- #define CAN_NMT_RSCOMM 0x82
- #define CAN_BUFSIZE 256

Functions

• void setCANBaudrate (uint8_t, uint32_t)

Baudrate configuration function.

void initCAN (uint8_t)

CAN initialization function.

uint8_t CANopenRecv (uint8_t, uint8_t *, uint32_t *, uint8_t *)

Receive a CAN message via CANopen protocol.

uint8_t CANopenSend (uint8_t, uint8_t, uint32_t, uint8_t, uint8_t *)

Send a CAN message via CANopen protocol.

• void CAN_IRQHandler (void)

CAN IRQ handler.

4.2.1 Detailed Description

Various definitions for the CANopen implementation. This file defines a basic number of objects and messages for the CANopen implementation provided by mbed-lib, and it provides function definitions.

4.2.2 Define Documentation

4.2.2.1 #define CAN_BUFSIZE 256

CAN buffer size.

See also

MBED_CAN0 buffers MBED_CAN1 buffers

4.2.2.2 #define MBED_CAN_H

Header guard.

4.2.3 Function Documentation

4.2.3.1 void CAN_IRQHandler (void)

CAN IRQ handler.

This routine is called when either of the CAN devices raises an interrupt. Do no call this routine yourself.

4.2.3.2 uint8_t CANopenRecv (uint8_t portNo, uint8_t * nodelD, uint32_t * cobType, uint8_t * data)

Receive a CAN message via CANopen protocol.

This routine reads an availabe message from the CAN receive buffer, if available.

Parameters

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portNo	CAN interface to read from. Should be MBED_CAN0 or MBED_CAN1.
nodeID	Address of variable to store the CAN device ID that sent the message.
cobType	Address of variable to store the COB type of the message.
data	Pointer to data storage.

Returns

0 if a message was successfully read, or an integer larger than 0 when no message was available.

See also

CANopenSend()
CANopen objects

4.2.3.3 uint8_t CANopenSend (uint8_t portNo, uint8_t nodelD, uint32_t cobType, uint8_t len, uint8_t * data)

Send a CAN message via CANopen protocol.

This routine sends a message via the CAN interface. If the message could not be sent (because the internal transmit buffers are full), the message is buffered and sent when when of the internal transmit buffers becomes available.

Parameters

portNo	CAN interface to send on. Should be MBED_CAN0 or MBED_CAN1.
nodeID	ID of the CAN device the message should be sent to.
cobType	COB type of the message.
len	Message length.
data	Data to be sent. The total number of bytes that will be sent depends on
	the provided message length, but will never be more than eight bytes.

Returns

 ${\tt 0}$ if a message was successfully sent or buffered, or an integer larger than ${\tt 0}$ when both sending and buffering failed.

See also

CANopenRecv()
CANopen objects

4.2.3.4 void initCAN (uint8_t portNo)

CAN initialization function.

Initalizes the CAN interface. This function is called from <code>initSys()</code>, only call this function if you know what you are doing.

Parameters

portNo	CAN interface to be initialized. Should be MBED_CAN0 or MBED_CA-
	N1.

See also

initSys()

4.2.3.5 void setCANBaudrate (uint8_t portNo, uint32_t baudrate)

Baudrate configuration function.

This function sets the baudrates for the MBED_CAN0 and MBED_CAN1 devices. Call this function before calling initSys().

Parameters

portNo	CAN interface to set the baudrate for. Should be MBED_CAN0 or MB-ED_CAN1.
baudrate	Desired baudrate, in bits per second.