

Blinkydocumentation

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Chapter 1

Module Index

1.1 Modules

Here is a list of all modules:

Blinky	5
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Chapter 2

File Index

2.1 File List

Here is a list of all files with brief descriptions:

inc/ pinmux.h	9
src/ main.c	10
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Chapter 3

Module Documentation

3.1 Blinky

Macros

- #define APPLICATION_VERSION "1.1.0"

Functions

- void LEDBlinkyRoutine ()
- static void BoardInit (void)
- int main ()

3.1.1 Detailed Description

3.1.2 Macro Definition Documentation

3.1.2.1 #define APPLICATION_VERSION "1.1.0"

Definition at line 80 of file main.c.

3.1.3 Function Documentation

3.1.3.1 static void BoardInit (void) [static]

Board Initialization & Configuration

Parameters

None	
------	--

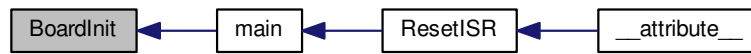
Returns

None

Definition at line 158 of file main.c.

Referenced by main().

Here is the caller graph for this function:



3.1.3.2 void LEDBlinkyRoutine ()

Configures the pins as GPIOs and periodically toggles the lines

Parameters

<i>None</i>	<p>This function</p> <ol style="list-style-type: none">1. Configures 3 lines connected to LEDs as GPIO2. Sets up the GPIO pins as output3. Periodically toggles each LED one by one by toggling the GPIO line
-------------	---

Returns

None

Definition at line 120 of file main.c.

Referenced by main().

Here is the caller graph for this function:



3.1.3.3 int main (void)

Main function

Parameters

<i>none</i>	<p>This function</p> <ol style="list-style-type: none">1. Invokes the LEDBlinkyTask
-------------	---

Returns

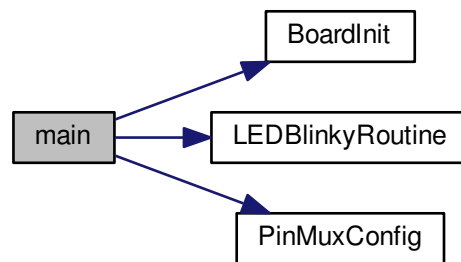
None.

Definition at line 194 of file main.c.

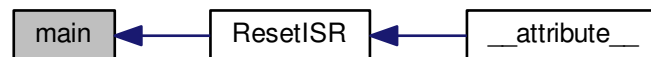
References BoardInit(), LEDBlinkyRoutine(), and PinMuxConfig().

Referenced by ResetISR().

Here is the call graph for this function:



Here is the caller graph for this function:

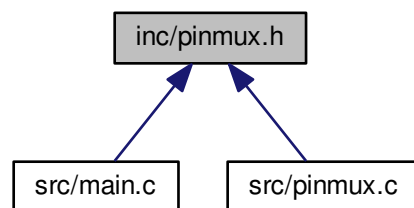


Chapter 4

File Documentation

4.1 inc/pinmux.h File Reference

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



Functions

- void [PinMuxConfig](#) (void)

4.1.1 Function Documentation

4.1.1.1 void PinMuxConfig (void)

Definition at line 56 of file `pinmux.c`.

Referenced by `main()`.

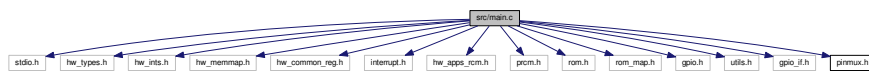
Here is the caller graph for this function:



4.2 src/main.c File Reference

```
#include <stdio.h>
#include "hw_types.h"
#include "hw_ints.h"
#include "hw_memmap.h"
#include "hw_common_reg.h"
#include "interrupt.h"
#include "hw_apps_rcm.h"
#include "prcm.h"
#include "rom.h"
#include "rom_map.h"
#include "gpio.h"
#include "utils.h"
#include "gpio_if.h"
#include "pinmux.h"
```

Include dependency graph for main.c:



Macros

- `#define APPLICATION_VERSION "1.1.0"`

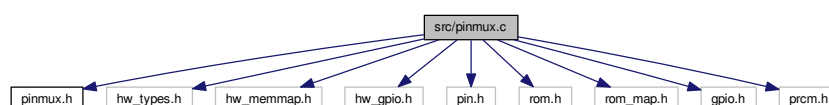
Functions

- void `LEDBlinkyRoutine` ()
- static void `BoardInit` (void)
- int `main` ()

4.3 src/pinmux.c File Reference

```
#include "pinmux.h"
#include "hw_types.h"
#include "hw_memmap.h"
#include "hw_gpio.h"
#include "pin.h"
#include "rom.h"
#include "rom_map.h"
#include "gpio.h"
#include "prcm.h"
```

Include dependency graph for pinmux.c:



Functions

- void [PinMuxConfig](#) (void)

4.3.1 Function Documentation

4.3.1.1 void PinMuxConfig (void)

Definition at line 56 of file pinmux.c.

Referenced by main().

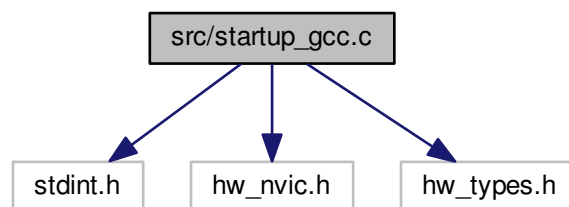
Here is the caller graph for this function:



4.4 src/startup_gcc.c File Reference

```
#include <stdint.h>
#include "hw_nvic.h"
#include "hw_types.h"
```

Include dependency graph for startup_gcc.c:



Functions

- void [ResetISR](#) (void)
- static void [NmiSR](#) (void)
- static void [FaultISR](#) (void)
- static void [IntDefaultHandler](#) (void)
- static void [BusFaultHandler](#) (void)
- void [_c_int00](#) (void)
- void [vPortSVCHandler](#) (void)
- void [xPortPendSVHandler](#) (void)
- void [xPortSysTickHandler](#) (void)

- int `main` (void)
- `__attribute__` ((section(".intvecs")))
- void * `_sbrk` (unsigned int incr)

Variables

- static char * `heap_end` = 0
- unsigned long `_heap`
- unsigned long `_eheap`
- static uint32_t `pui32Stack` [1024]
- uint32_t `_etext`
- uint32_t `_data`
- uint32_t `_edata`
- uint32_t `_bss`
- uint32_t `_ebss`
- uint32_t `__init_data`

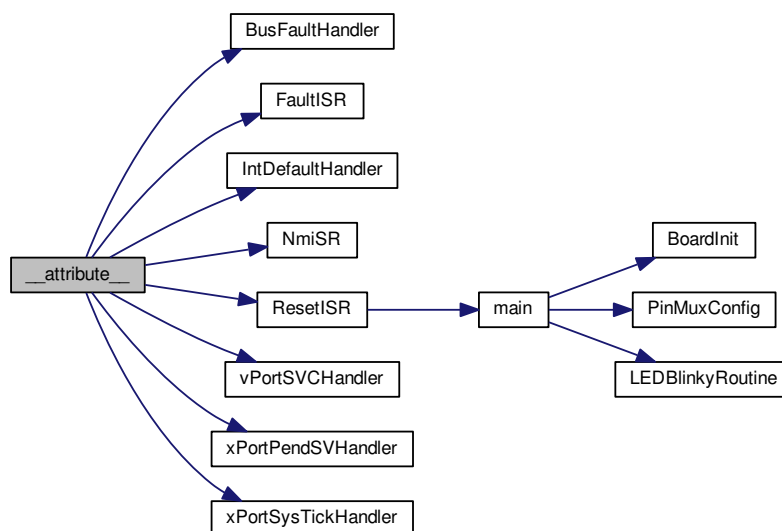
4.4.1 Function Documentation

4.4.1.1 `__attribute__` ((section(".intvecs")))

Definition at line 94 of file `startup_gcc.c`.

References `__init_data`, `_bss`, `_data`, `_ebss`, `_edata`, `_etext`, `BusFaultHandler`(), `FaultISR`(), `IntDefaultHandler`(), `NmiISR`(), `pui32Stack`, `ResetISR`(), `vPortSVCHandler`(), `xPortPendSVHandler`(), and `xPortSysTickHandler`() .

Here is the call graph for this function:



4.4.1.2 void `_c_int00` (void)

4.4.1.3 void* `_sbrk` (unsigned int *incr*)

Definition at line 325 of file `startup_gcc.c`.

References `_eheap`, `_heap`, and `heap_end`.

4.4.1.4 `static void BusFaultHandler (void) [static]`

Definition at line 291 of file `startup_gcc.c`.

Referenced by `__attribute__()`.

Here is the caller graph for this function:



4.4.1.5 `static void FaultISR (void) [static]`

Definition at line 272 of file `startup_gcc.c`.

Referenced by `__attribute__()`.

Here is the caller graph for this function:



4.4.1.6 `static void IntDefaultHandler (void) [static]`

Definition at line 309 of file `startup_gcc.c`.

Referenced by `__attribute__()`.

Here is the caller graph for this function:



4.4.1.7 static void NmiSR (void) [static]

Definition at line 254 of file startup_gcc.c.

Referenced by __attribute__().

Here is the caller graph for this function:



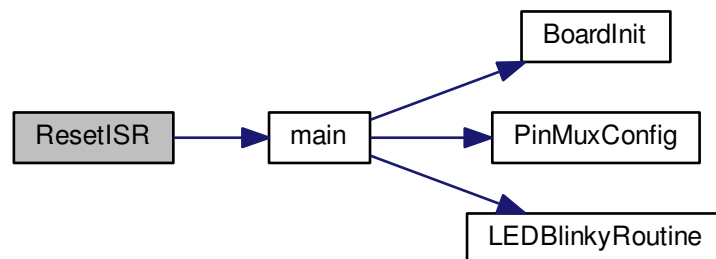
4.4.1.8 void ResetISR (void)

Definition at line 214 of file startup_gcc.c.

References __init_data, _edata, and main().

Referenced by __attribute__().

Here is the call graph for this function:



Here is the caller graph for this function:



4.4.1.9 void vPortSVCHandler (void)

Referenced by `__attribute__()`.

Here is the caller graph for this function:



4.4.1.10 void xPortPendSVHandler (void)

Referenced by `__attribute__()`.

Here is the caller graph for this function:



4.4.1.11 void xPortSysTickHandler (void)

Referenced by `__attribute__()`.

Here is the caller graph for this function:



4.4.2 Variable Documentation

4.4.2.1 uint32_t __init_data

Referenced by `__attribute__()`, and `ResetISR()`.

4.4.2.2 uint32_t _bss

Referenced by `__attribute__()`.

4.4.2.3 uint32_t _data

Referenced by `__attribute__()`.

4.4.2.4 uint32_t _ebss

Referenced by `__attribute__()`.

4.4.2.5 uint32_t _edata

Referenced by `__attribute__()`, and `ResetISR()`.

4.4.2.6 unsigned long _eheap

Referenced by `_sbrk()`.

4.4.2.7 uint32_t _etext

Referenced by `__attribute__()`.

4.4.2.8 unsigned long _heap

Referenced by `_sbrk()`.

4.4.2.9 `char* heap_end = 0` `[static]`

Definition at line 48 of file `startup_gcc.c`.

Referenced by `_sbrk()`.

4.4.2.10 `uint32_t pui32Stack[1024]` `[static]`

Definition at line 86 of file `startup_gcc.c`.

Referenced by `__attribute__()`.

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