IO_Config.h File Reference

Header for a library that implements the input/output configuration. More...

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

Go to the source code of this file.

Functions

void	**IO_Init** ()	
	Sets up the engine speed and wheel speed interrupt pins. More...	

Variables

const **Pin**	**P_MOT_INA** = {&PORTA, PIN0_bm}	
const **Pin**	**P_MOT_INB** = {&PORTA, PIN1_bm}	
const **Pin**	**P_MOT_PWM** = {&PORTE, PIN2_bm}	
const **Pin**	**P_ENC_A** = {&PORTA, PIN4_bm}	
const **Pin**	**P_ENC_B** = {&PORTA, PIN5_bm}	
const **Pin**	**S_MOT_INA** = {&PORTA, PIN2_bm}	
const **Pin**	**S_MOT_INB** = {&PORTA, PIN3_bm}	
const **Pin**	**S_MOT_PWM** = {&PORTE, PIN3_bm}	
const **Pin**	**S_ENC_A** = {&PORTA, PIN6_bm}	
const **Pin**	**S_ENC_B** = {&PORTA, PIN7_bm}	

Detailed Description

Header for a library that implements the input/output configuration.

This library allows the user to configure the inputs/outputs in one place. The library assigns ports and pin numbers via **Pin** objects to each input/output. Additionally, the library sets up interrupts for the engine speed and rear wheel speed hall effect sensors.

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Function Documentation

◆ IO_Init()

void IO_Init ( )

Sets up the engine speed and wheel speed interrupt pins.

This function sets up the engine speed and wheel speed for interrupt functionality.