

main.h

```
1 /* USER CODE BEGIN Header */
2 /**
3  * *****
4  * @file      : main.h
5  * @brief     : Header for main.c file.
6  *            This file contains the common defines of the application.
7  * *****
8  * @attention
9  *
10 * <h2><center>&copy; Copyright (c) 2021 STMicroelectronics.
11 * All rights reserved.</center></h2>
12 *
13 * This software component is licensed by ST under BSD 3-Clause license,
14 * the "License"; You may not use this file except in compliance with the
15 * License. You may obtain a copy of the License at:
16 *            opensource.org/licenses/BSD-3-Clause
17 *
18 * *****
19 */
20 /* USER CODE END Header */
21
22 /* Define to prevent recursive inclusion -----*/
23 #ifndef __MAIN_H
24 #define __MAIN_H
25
26 #ifdef __cplusplus
27 extern "C" {
28 #endif
29
30 /* Includes -----*/
31 #include "stm32f4xx_hal.h"
32
33 /* Private includes -----*/
34 /* USER CODE BEGIN Includes */
35
36 /* USER CODE END Includes */
37
38 /* Exported types -----*/
39 /* USER CODE BEGIN ET */
40
41 /* USER CODE END ET */
42
43 /* Exported constants -----*/
44 /* USER CODE BEGIN EC */
45
46 /* USER CODE END EC */
47
48 /* Exported macro -----*/
49 /* USER CODE BEGIN EM */
50
51 /* USER CODE END EM */
52
53 /* Exported functions prototypes -----*/
54 void Error_Handler(void);
55
56 /* USER CODE BEGIN EFP */
57
58 /* USER CODE END EFP */
59
60 /* Private defines -----*/
61 #define SensorSquare_Pin GPIO_PIN_0
62 #define SensorSquare_GPIO_Port GPIOC
```

main.h

```
63 #define SensorSquare_EXTI_IRQn EXTI0_IRQn
64 #define SensorRoller_Pin GPIO_PIN_1
65 #define SensorRoller_GPIO_Port GPIOC
66 #define SensorRoller_EXTI_IRQn EXTI1_IRQn
67 #define SensorTriangle_Pin GPIO_PIN_2
68 #define SensorTriangle_GPIO_Port GPIOC
69 #define SensorTriangle_EXTI_IRQn EXTI2_IRQn
70 #define SensorStar_Pin GPIO_PIN_3
71 #define SensorStar_GPIO_Port GPIOC
72 #define SensorStar_EXTI_IRQn EXTI3_IRQn
73 #define DIR_AXIS3_Pin GPIO_PIN_0
74 #define DIR_AXIS3_GPIO_Port GPIOA
75 #define DIR_AXIS2_Pin GPIO_PIN_1
76 #define DIR_AXIS2_GPIO_Port GPIOA
77 #define DIR_AXIS1_Pin GPIO_PIN_4
78 #define DIR_AXIS1_GPIO_Port GPIOA
79 #define DIR_AXIS5_Pin GPIO_PIN_10
80 #define DIR_AXIS5_GPIO_Port GPIOB
81 #define DIR_AXIS6_Pin GPIO_PIN_8
82 #define DIR_AXIS6_GPIO_Port GPIOA
83 #define DIR_AXIS4_Pin GPIO_PIN_4
84 #define DIR_AXIS4_GPIO_Port GPIOB
85 /* USER CODE BEGIN Private defines */
86
87 /* USER CODE END Private defines */
88
89 #ifdef __cplusplus
90 }
91 #endif
92
93 #endif /* __MAIN_H */
94
95 /***** (C) COPYRIGHT STMicroelectronics *****END OF FILE*****/
96
```