

1. Description

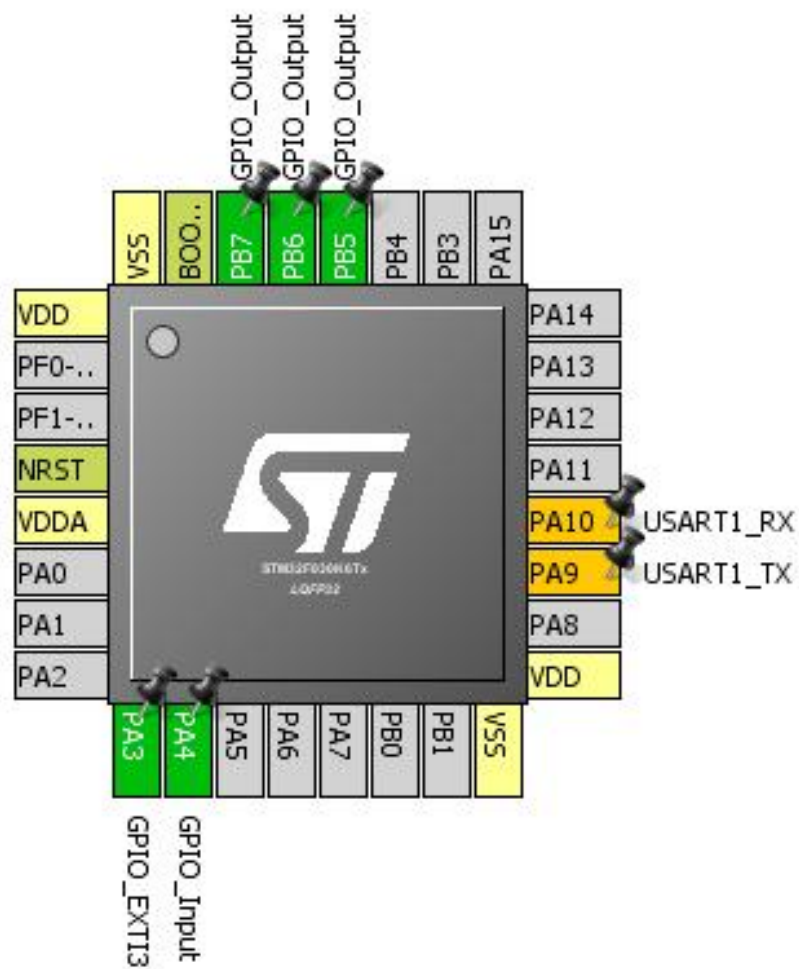
1.1. Project

Project Name	planespotter-helloworld
Board Name	custom
Generated with:	STM32CubeMX 4.9.0
Date	10/02/2015

1.2. MCU

MCU Series	STM32F0
MCU Line	STM32F0x0 Value Line
MCU name	STM32F030K6Tx
MCU Package	LQFP32
MCU Pin number	32

2. Pinout Configuration



3. Pins Configuration

Pin Number LQFP32	Pin Name (function after reset)	Pin Type	Alternate Function(s)	Label
1	VDD	Power		
4	NRST	Reset		
5	VDDA	Power		
9	PA3	I/O	GPIO_EXTI3	
10	PA4 *	I/O	GPIO_Input	
16	VSS	Power		
17	VDD	Power		
19	PA9 **	I/O	USART1_TX	
20	PA10 **	I/O	USART1_RX	
28	PB5 *	I/O	GPIO_Output	
29	PB6 *	I/O	GPIO_Output	
30	PB7 *	I/O	GPIO_Output	
31	BOOT0	Boot		
32	VSS	Power		

* The pin is affected with an I/O function

** The pin is affected with a peripheral function but no peripheral mode is activated

4. IPs and Middleware Configuration

Nothing is configured

*** User modified value**

5. System Configuration

5.1. GPIO configuration

IP	Pin	Signal	GPIO mode	GPIO pull/up pull down	Max Speed	User Label
Single Mapped Signals	PA9	USART1_TX	Alternate Function Push Pull	n/a	High *	
	PA10	USART1_RX	Alternate Function Push Pull	n/a	High *	
GPIO	PA3	GPIO_EXTI3	External Interrupt Mode with Rising/Falling edge	n/a	n/a	
	PA4	GPIO_Input	Input mode	n/a	n/a	
	PB5	GPIO_Output	Output Push Pull	n/a	Low	
	PB6	GPIO_Output	Output Push Pull	n/a	Low	
	PB7	GPIO_Output	Output Push Pull	n/a	Low	

5.2. DMA configuration

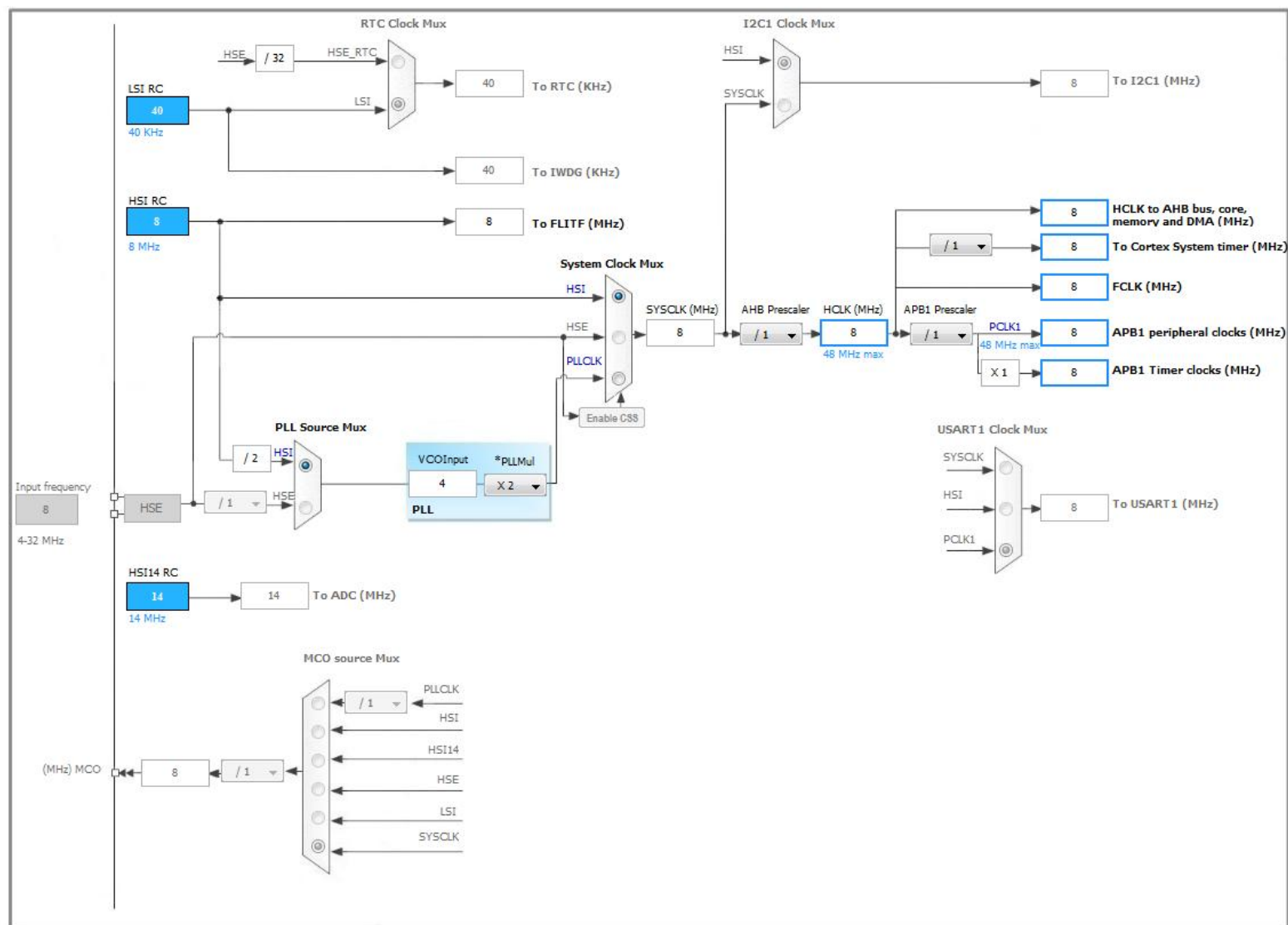
nothing configured in DMA service

5.3. NVIC configuration

Interrupt Table	Enable	Preenmption Priority	SubPriority
System tick timer	true	0	0
Non maskable interrupt	unused		
RCC global interrupt	unused		
EXTI line 2 and 3 interrupts	unused		

* User modified value

6. Clock Tree Configuration



7. Power Plugin report

7.1. Microcontroller Selection

Series	STM32F0
Line	STM32F0x0 Value Line
MCU	STM32F030K6Tx
Datasheet	024849_Rev2

7.2. Parameter Selection

Temperature	25
Vdd	3.6