

## 1. Description

### 1.1. Project

Project Name	trail
Board Name	custom
Generated with:	STM32CubeMX 4.27.0
Date	09/20/2018

### 1.2. MCU

MCU Series	STM32L0
MCU Line	STM32L0x1
MCU name	STM32L011F3Px
MCU Package	TSSOP20
MCU Pin number	20

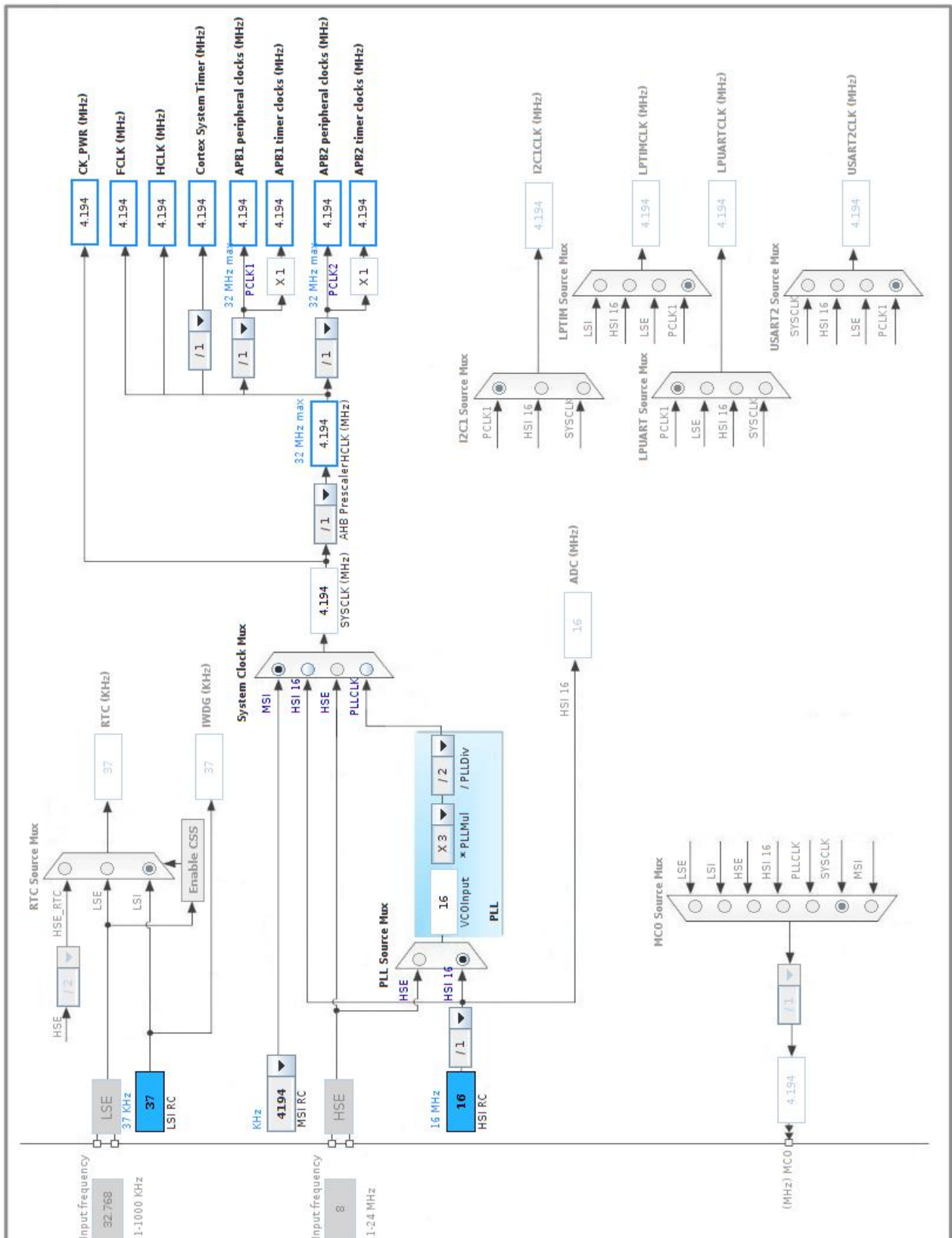
## 2. Pinout Configuration



### 3. Pins Configuration

Pin Number TSSOP20	Pin Name (function after reset)	Pin Type	Alternate Function(s)	Label
4	NRST	Reset		
5	VDDA	Power		
15	VSS	Power		
16	VDD	Power		

## 4. Clock Tree Configuration



## ***5. IPs and Middleware Configuration***

### ***5.1. SYS***

**Timebase Source: SysTick**

**\* User modified value**

## 6. System Configuration

### 6.1. GPIO configuration

IP	Pin	Signal	GPIO mode	GPIO pull/up pull down	Max Speed	User Label
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### 6.2. DMA configuration

nothing configured in DMA service

### 6.3. NVIC configuration

Interrupt Table	Enable	Preenmption Priority	SubPriority
Non maskable interrupt	true	0	0
Hard fault interrupt	true	0	0
System service call via SWI instruction	true	0	0
Pendable request for system service	true	0	0
System tick timer	true	0	0
PVD interrupt through EXTI line 16	unused		
Flash and EEPROM global interrupt	unused		
RCC global interrupt	unused		

\* User modified value

## 7. Power Consumption Calculator report

### 7.1. Microcontroller Selection

Series	STM32L0
Line	STM32L0x1
MCU	STM32L011F3Px
Datasheet	027973_Rev4

### 7.2. Parameter Selection

Temperature	25
Vdd	null



## ***8. Software Pack Report***

## 9. Software Project

### 9.1. Project Settings

Name	Value
Project Name	trail
Project Folder	/home/tejas_tj/workspace/stm32l0xx_firmware/trail
Toolchain / IDE	Makefile
Firmware Package Name and Version	STM32Cube FW_L0 V1.10.0

### 9.2. Code Generation Settings

Name	Value
STM32Cube Firmware Library Package	Copy only the necessary library files
Generate peripheral initialization as a pair of '.c/.h' files	No
Backup previously generated files when re-generating	No
Delete previously generated files when not re-generated	Yes
Set all free pins as analog (to optimize the power consumption)	No