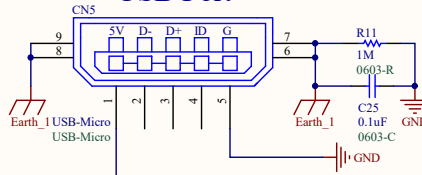
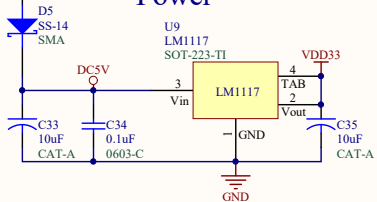


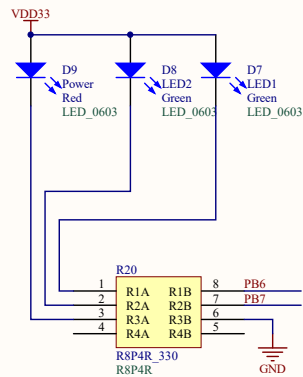
## USB Port



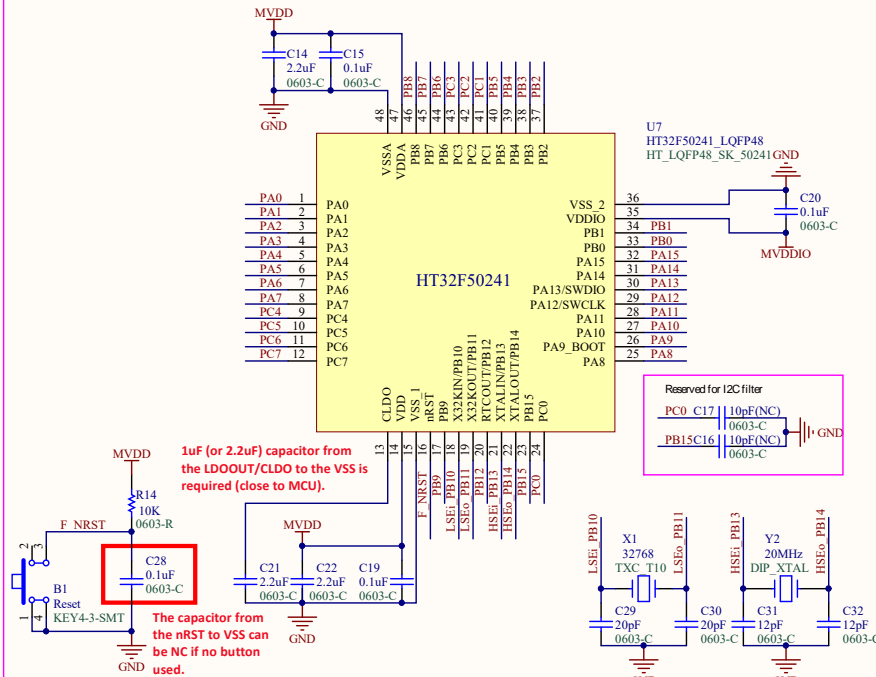
## Power



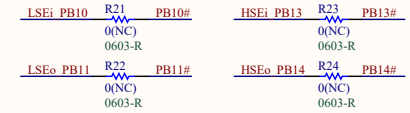
## LEDs



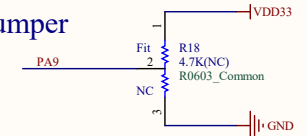
## MCU



## LSE/HSE Jumper

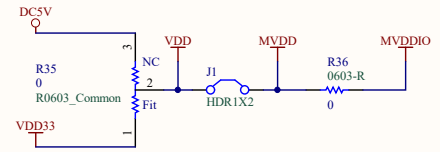


## Boot Pin Jumper



The BOOT pin must be maintained at high level when reset. 4.7K external pull up resistance may be required for the BOOT pin (for interference/noise rejection and rising time during the reset).

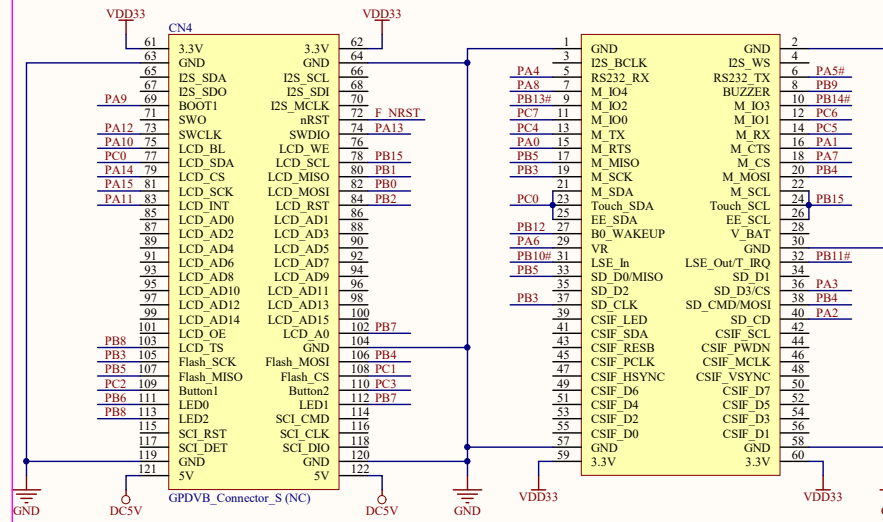
## MCU VDD/VDDIO Jumper



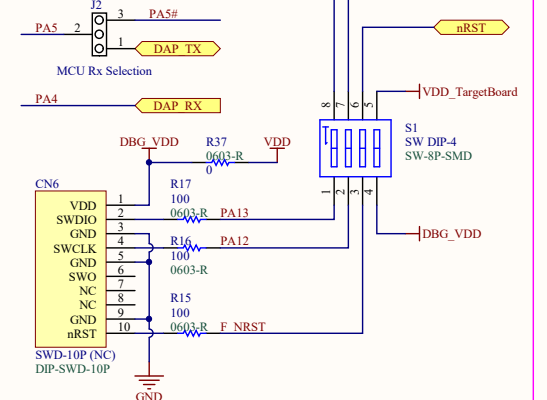
### !!! NOTICE !!!

The operating voltage of expansion board, ESK32-20001/ESK32-21001 is 3.3 V. If you change the MVDD from 3.3 V to 5 V (R35 fit to 2-3), please DO NOT connect the Starter Kit CN4 to the expansion board directly.

## Expansion Connector



## Debug Interface



The name of PCB		Size	HT A4
Title		Rev.	V1.0
Date: 2019/9/5		Sheet	2 of 2
File: HT32F50241_SK_SchDoc		Drawn By:	Chuan