





Note: Flash module is unpopulated on Black Pill ref design  
 Reference Design: [https://stm32-base.org/assets/pdf/boards/original-schematic-STM32F411CEU6\\_WeAct\\_Black\\_PillV2.0.pdf](https://stm32-base.org/assets/pdf/boards/original-schematic-STM32F411CEU6_WeAct_Black_PillV2.0.pdf)  
 USB-C Guide: <https://dubiouscreations.com/2021/04/06/designing-with-usb-c-lessons-learned/>

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