STM32DEMO Documentations.

**STM32CubeIDE:**

When selecting Pins holding Control and connect to the pin will give u other orientate that u may use that will help u a lot during routing for the PCB.

**Power Handling Capability**

All pins and Reference can be obtained from Datasheet please refer for more information regarding pins but for the most part the important pins to start with is :

A screenshot of a computer screen

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RF1: radio frequency or Bluetooth interface to our antenna

VSS(Rf,MPS): Ground Pins

## Power the board:

Referring to the applications notes we can see that for power VDDT VDD VDD and VDD battery all connected and got a couple of decoupling capacitors for filtering and one of those as we can see it has a relativilty large value which is C6 which usually called bulk decoupling capacitor

A diagram of a circuit board

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While VDD USB and VDDA are separated

But for the calue of the voltage supply we will be referring to the specific datasheet that we are using A screenshot of a computer program

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A computer screen shot of a diagram

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Reference:

<https://www.st.com/resource/en/application_note/an2867-oscillator-design-guide-for-stm8afals-stm32-mcus-and-mpus-stmicroelectronics.pdf>

<https://www.st.com/resource/en/application_note/an5165-how-to-develop-rf-hardware-using-stm32wb-microcontrollers-stmicroelectronics.pdf>

<https://www.st.com/resource/en/datasheet/stm32wb55ce.pdf>