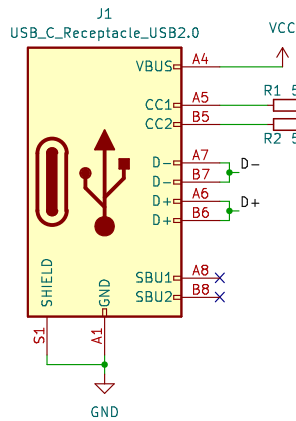
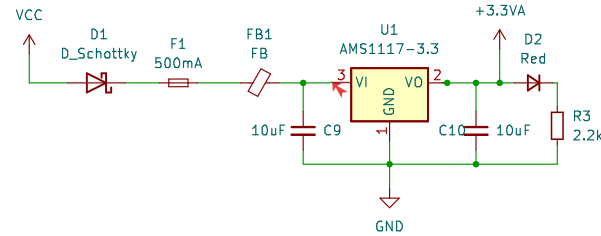


Host Connection USB-C Connector  
<https://youtu.be/6Z49bynRqj8>

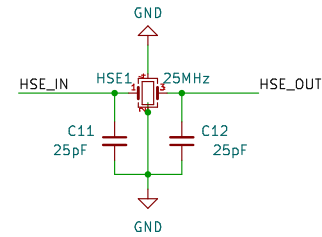


#### Power Regulation



Schottky Diode for reverse polarity protection

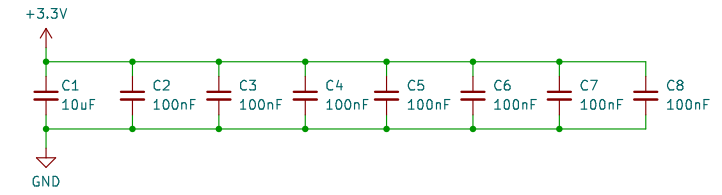
#### External Oscillator



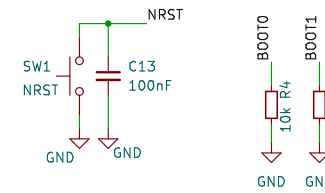
use  $C1 = C2 = 2 * (C_L - C_{stray}) = 2 * (18pF - 5pF) = 26pF$   
We will take 25pF since 26pF is not available on Digkey

ABM8-25.000MHZ-D2-T

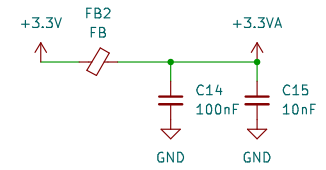
#### Decoupling Capacitors



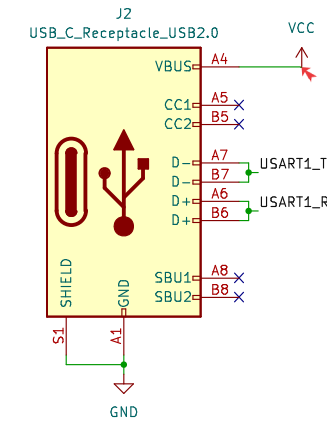
#### Reset



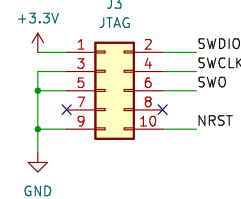
#### Analog Voltage Filtering



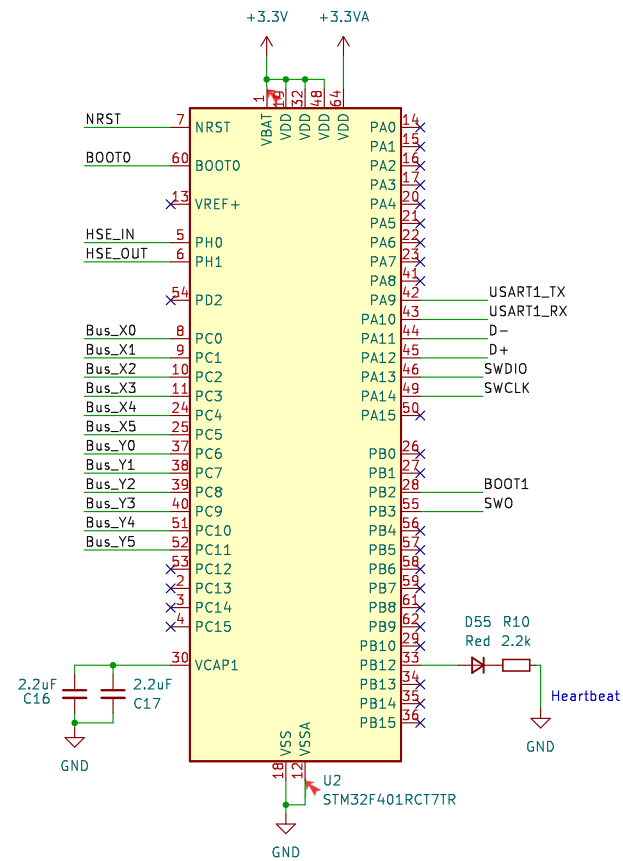
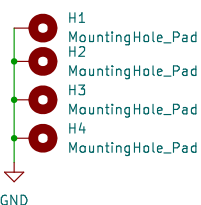
Second device USB-C Connector



#### JTAG



#### Mounting Holes



Parts of schematic:  
Micro  
- STM32 micro  
- external crystal oscillator  
Power  
- power regulation  
- analog voltage filtering  
Connectors  
- JTAG  
- USB connections  
Other functionality  
- reset mechanism  
- switch array

#### Diode Array

