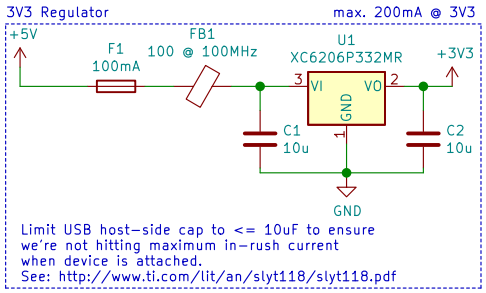
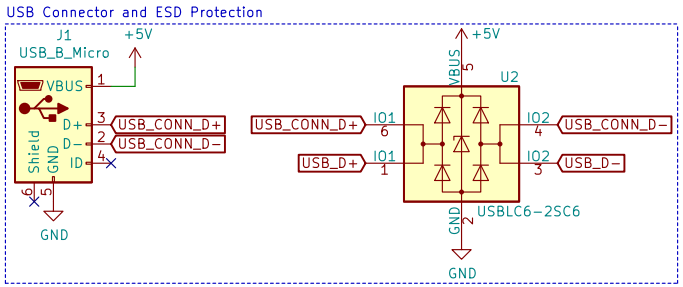
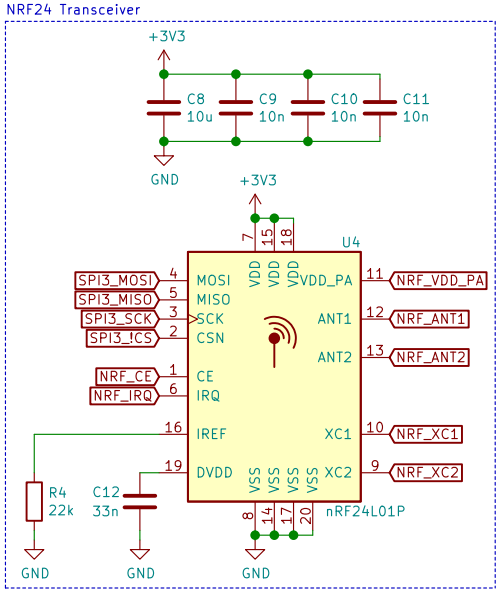
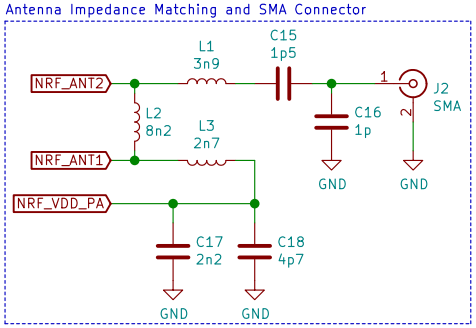


STM32 USB requires 3V3.

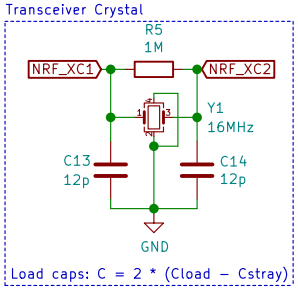
Not reverse polarity protected,however since only power source is via USB connector, we can hope that the polarity will be correct.



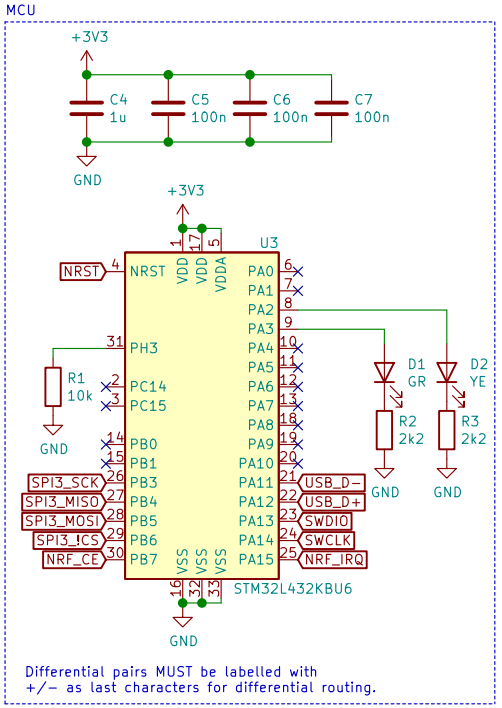




Route as 50 Ohm controlled impedance traces.
Follow datasheet regarding layout.
Passive antenna.



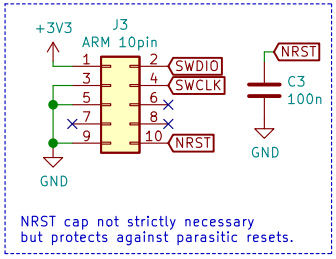
Load caps: C = 2 * (Cload - Cstray)



Differential pairs MUST be labelled with
+/- as last characters for differential routing.

STM32L432KBU datasheet:
'No external termination series resistors are required on USB_DP (D+) and USB_DM (D-); the matching impedance is already included in the embedded driver.'

STM32 MCU has internal USB pull-up resistors. (AN4879)



NRST cap not strictly necessary
but protects against parasitic resets.

design clone
Intellivolt

Sheet: /
File: STRF.sch

Title: Rf link

Size: A4	Date: 2021-07-08	**Rev: 1.0**
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