

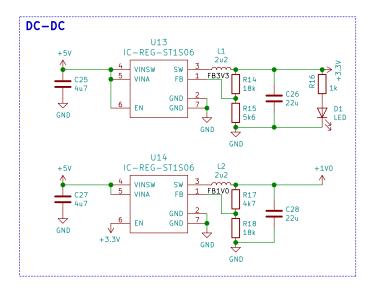
Cards can be power by USB or by the barrel jack 8-48V.

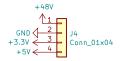
Alternative "+48V" can come from a connected daugther card.

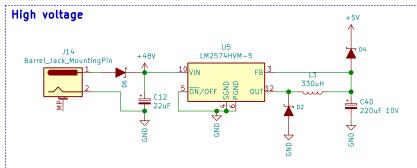
Both USB and +48V should not be connected on the same PCB.

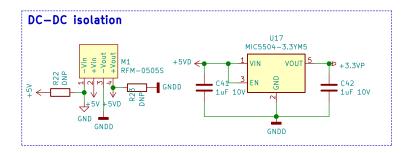
USB ground should be isolated from power ground for PC safety. High voltage

Power ports are Global in the schematics.









VDDIO/OTP\_VCC and VDD can ramp up independently.

In order to reduce stresses on the device, it is preferable to make them ramp up in a short time frame of each other, no more than 50 ms apart.

RST\_N and TRST\_N should be kept low until all power supplies are stable and within tolerances of their final voltage.

If your design is powered by VBUS, then RST\_N should go high within 10 ms of attaching to VBUS in order to ensure that USB timings are met. RST\_N should be at least 1 ms after VDDIO good to enable the built—in flash to settle

 openPnP

 Sheet: /POWER/

 File: file5C95FA9D.sch

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