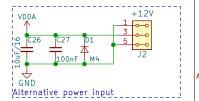


Booth step-down are forced to continuous operation to enforce minimal voltage-ripple and fixed switching frequency.

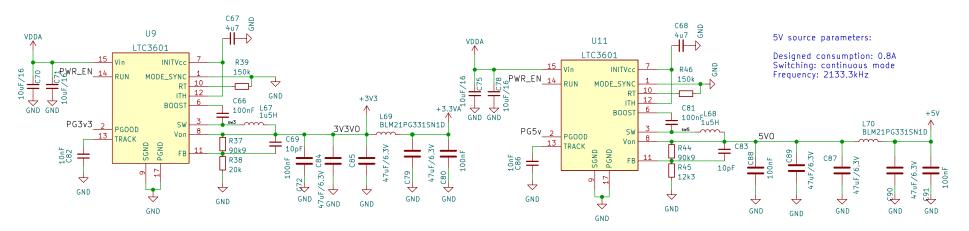
Frequency is set by external resistor, to minimize temperature



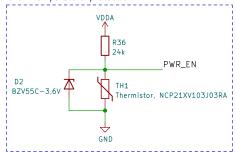
3.3V source parameters:

Designed consumption: 0.05A Switching: continuous mode

Frequency: 2133,3kHz (same as 5V source)



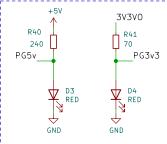




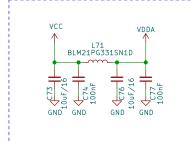
PWR_EN enables power regulation by voltage above 1.25V. Voltage below 1V turn off internal power source.

Thermistor NCP21XV103J03RA with 24k resistor is designed to disconnect electronic at 75C.

Power status LED and header output



LED is powered by 10 mA to ensure that maximum current trough power source PG pin is not exeed. (PG pin is open-drain, active in failure condition)



Ensures that switching frequency is not "transmited" by incoming cable and incomming power wires.

Title: QFHMIX01E

Frontend for QFH active antenna

Author:

Page: 3/3 Size: A4

Date: 2022-07-31

