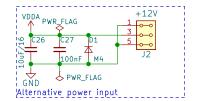


Booth step—down are forced to continuous operation to enforce minimal voltage—ripple and fixed switching frequency.

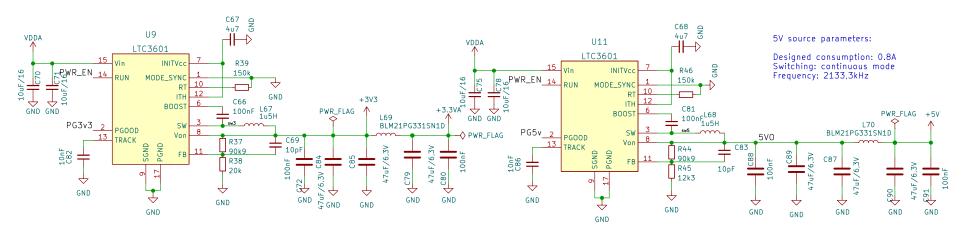
Frequency is set by external resistor, to minimize temperature dependency.



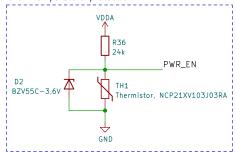
## 3.3V source parameters:

Designed consumption: 0.05A Switching: continuous mode

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



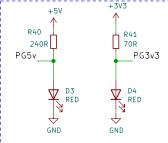




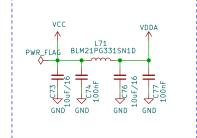
PWR\_EN enables power regulation by voltage above 1.25V. Voltage below 1V turn off internal power source.

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





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

Date: 2022-07-31

Author:

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