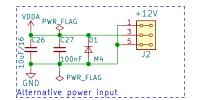


Booth step-down are forced to continuous operation to enforce minimal voltage-ripple and fixed switching frequency.

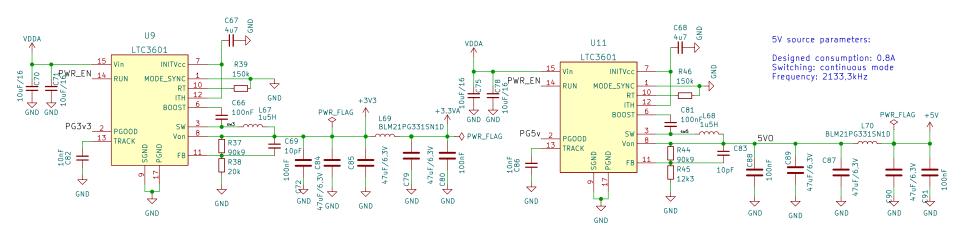
Frequency is set by external resistor, to minimize temperature



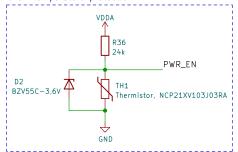
3.3V source parameters:

Designed consumption: 0.05A Switching: continuous mode

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



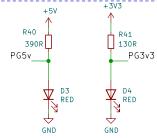




PWR_EN enables power regulation by voltage above 1.25V. Voltage below 1V turn off internal power source.

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





LED is powered by 10 mA to ensure that suggested current trough power source PG pin is not exeed.

(PG pin is 15 0hm open-drain, active in failure conditiby)incoming cable and incomming power wires.

VCC

GND GND

L71 BLM21PG331SN1D

GND

VDDA

GND

Title: QFHMIX01E

Frontend for QFH active antenna

Date: 2022-07-31

Author:

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