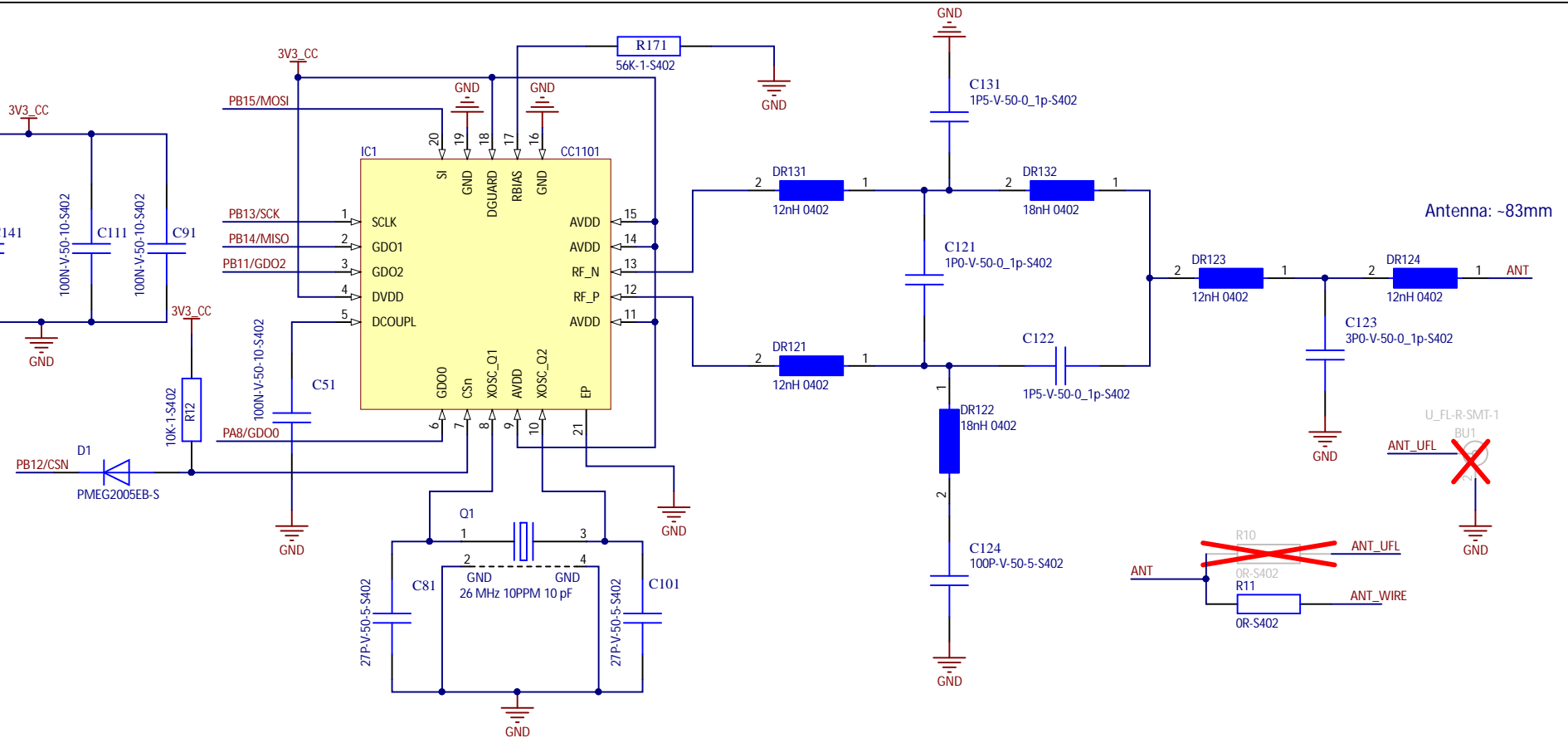


For Babbling Idiot Protection:
Please solder appropriate Reset
Device
in SOT-23 Package
e.g. OnSemi NCP803SN232T1G
(2,32V)
or Diodes APX803L20-19SA (1,9V)
Additionally you can add the Parts
for the
Battery load circuit on the BOT Side.

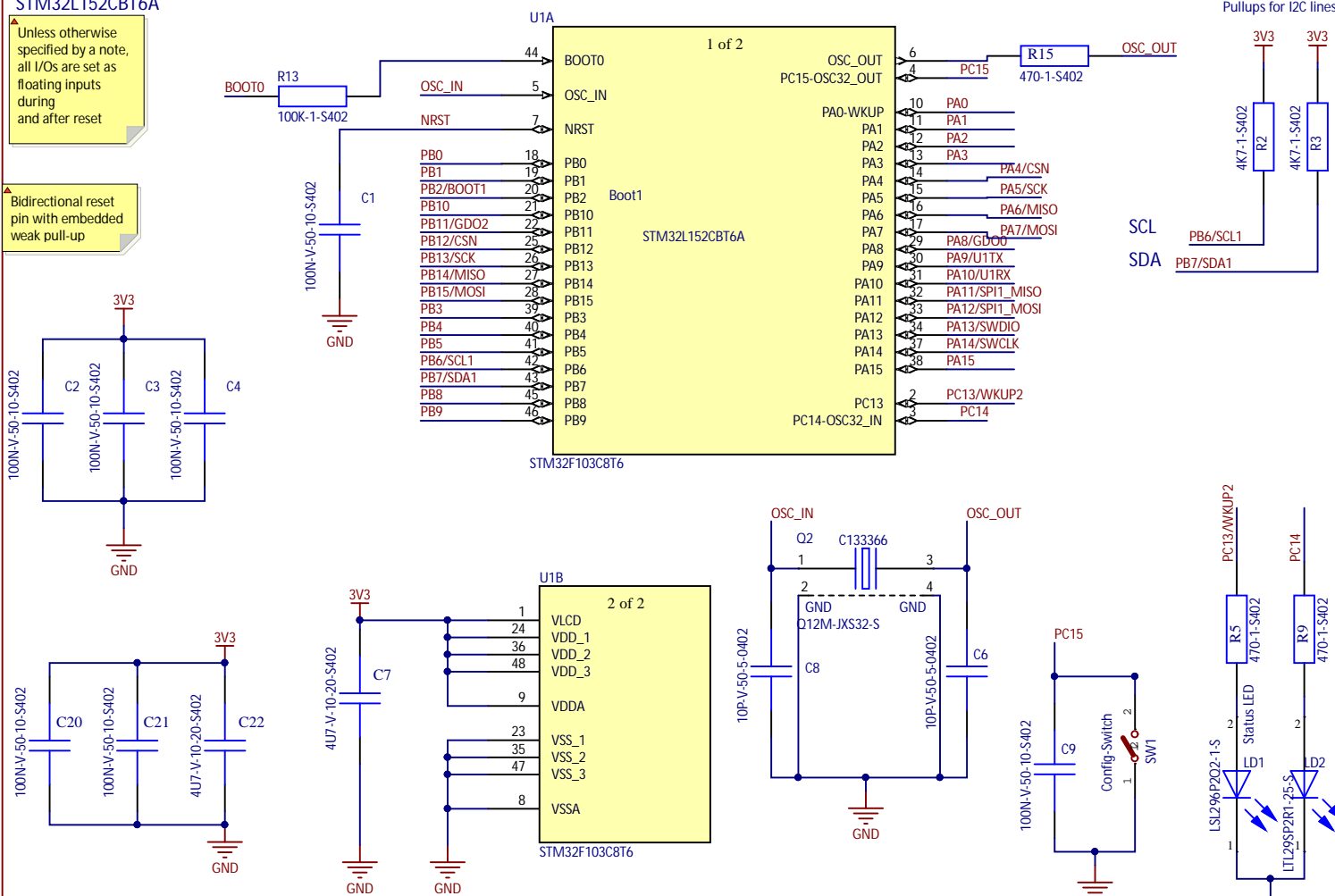
The schematic shows a power supply circuit for a microcontroller. It starts with a 10V-25V-10%-0603 S input voltage source connected to a GND. The positive rail passes through a capacitor C23 (100K-1-S402) and a resistor R8 (100K-1-S402). A diode D (SI2305DS-S) is connected in parallel with the positive rail to ground. The output of the diode is connected to a 3V3 pin of a microcontroller (labeled PA15). The microcontroller's 3V3 pin is also connected to a 3V3 CC capacitor. The negative rail is connected to a GND. The microcontroller's 3V3 pin is also connected to a 3V3 CC capacitor. The microcontroller's 3V3 pin is also connected to a 3V3 CC capacitor.

IC2
VIN
VOUT
GND
MCP1703-3302
Max Voltage Input: 16VDC
Max Current Output: 250mA
RAW
3V3
C15
10µF 25V 10%-0603 S
C16
10µF 25V 10%-0603 S
GND
GND
GND
LB2
LB1T



Unless otherwise specified by a note, all I/Os are set as floating inputs during and after reset

▲ Bidirectional reset pin with embedded weak pull-up



The image displays three pin connection diagrams for the ST1rger14P5054455 microcontroller, all of which are crossed out with a large red 'X'.

Top Diagram: Shows pins 1 through 14. Pins 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, and 14 are connected to a 3V3 supply. Pin 14 is also connected to GND. The pin names are: NRST, PA0, PA1, PA2, PA3, PA4/CSN, PA5/SCN, PA6/MISO, PA7/MOSI, PB0, PB1, PB2/BOOT1, BOOT0, and PB10.

Middle Diagram: Shows pins 1 through 15. Pins 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, and 15 are connected to a 3V3 supply. Pin 15 is also connected to GND. The pin names are: NRST, PA0, PA1, PA2, PA3, PA4/CSN, PA5/SCN, PA6/MISO, PA7/MOSI, PB0, PB1, PB2/BOOT1, BOOT0, PB10, PB9, PB8, PB7/SDA1, PB6/SCL1, PB5, PB4, PB3, PA15, PA12/SPI1_MOSI, PA11/SPI1_MISO, and PB10.

Bottom Diagram: Shows pins 1 through 6. Pins 1, 2, 3, 4, 5, and 6 are connected to GND, ANT_WIRE, GND, 3V3, PA10/U1RX, and PA9/U1TX respectively. The pin names are: NRST, PA0, PA1, PA2, PA3, PA4/CSN, PA5/SCN, PA6/MISO, PA7/MOSI, PB0, PB1, PB2/BOOT1, BOOT0, PB10, PB9, PB8, PB7/SDA1, PB6/SCL1, PB5, PB4, PB3, PA15, PA12/SPI1_MOSI, PA11/SPI1_MISO, and PB10.

PA2

PA1

Not mounted on PCB!

4K7-1/8-1-S

10-1/8-1-S1

33-1/8-1-S1

SI2302ADS-S

GND

| | | | | | |
|-------|--|--|----------------------------|----------|--|
| Title | | | STM32L151-RF | | |
| Size | | STM32L151 - RF Version with 868MHz CC1101 Transceiver and special functions for ASKSIN++ | | Revision | |
| A3 | | | | V1.0 | |
| Date: | | | 23.03.2021 | | |
| File: | | | Arduino-Pro-Mini-RF.schdoc | | |
| | | | Sheet 1 of 1 | | |
| | | | Drawn By: Asselhead | | |