

AID_HWB_EVB_ELE6A_B2_SCHEMATICS

Schematics

Based on STA8610XA

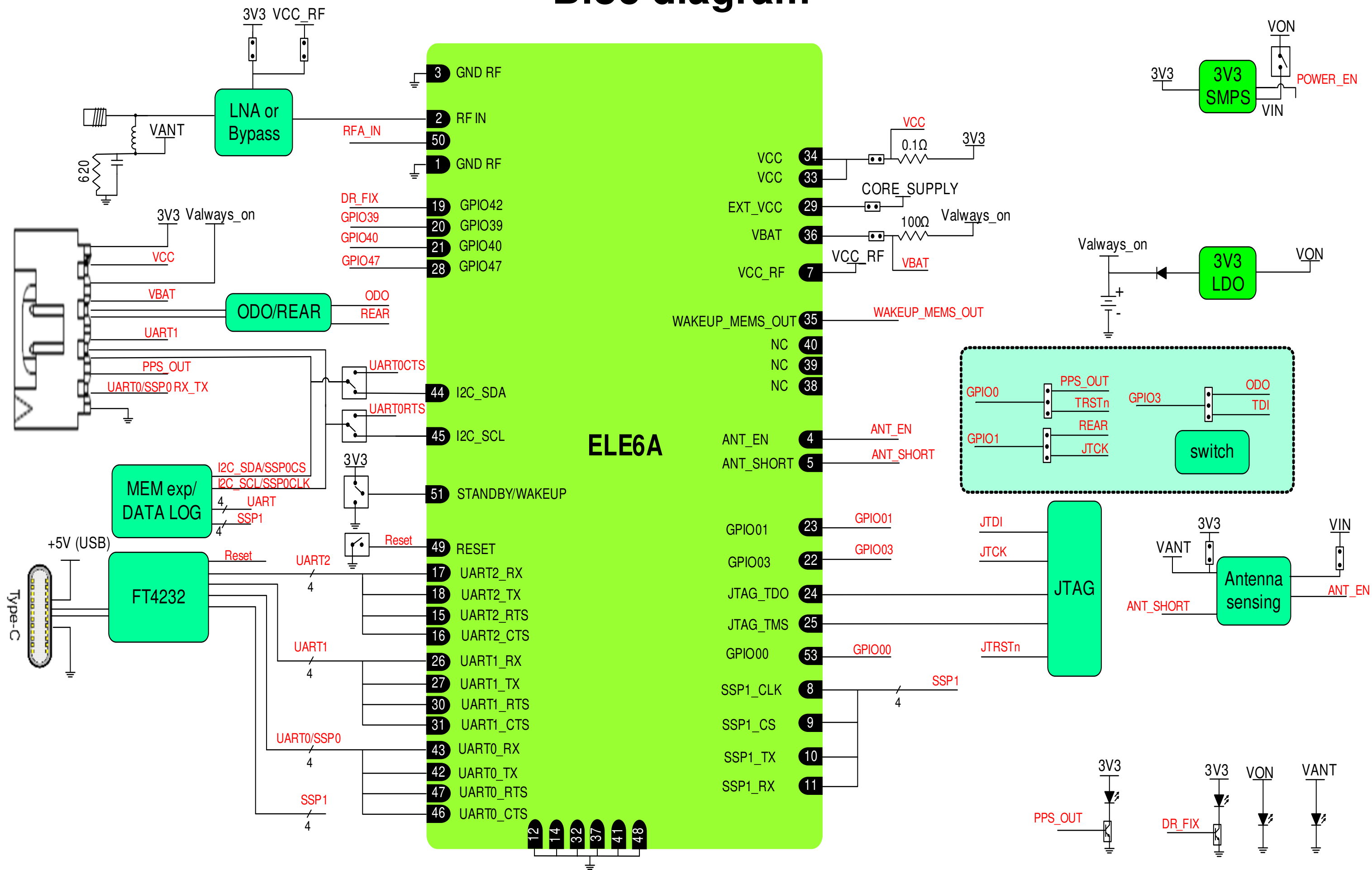
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SHEET NAME

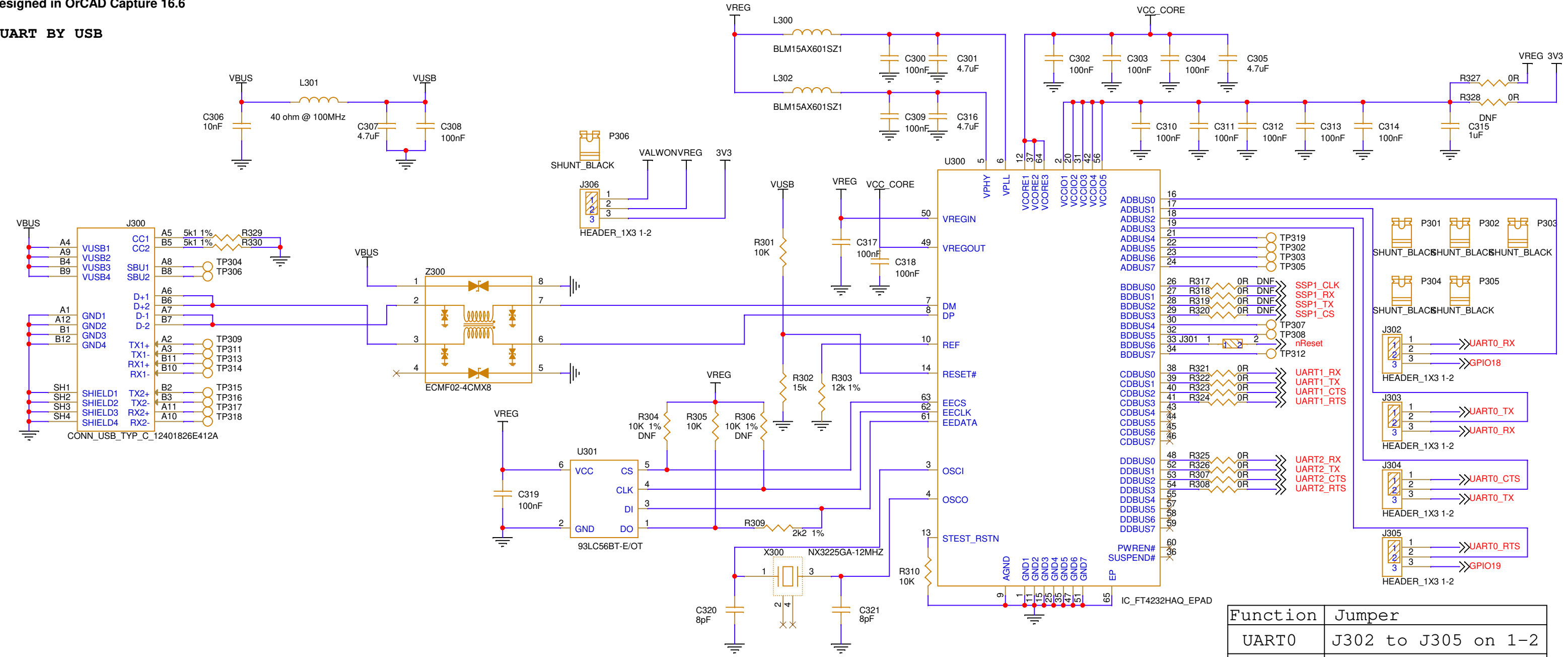
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PAGE 02	:	Bloc diagram	REF DES:	0200	–	0299
PAGE 03	:	UART/LED	REF DES:	0300	–	0399
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PAGE 05	:	JTAG/ANT SENS	REF DES:	0500	–	0599
PAGE 06	:	Power & Miscelianous	REF DES:	0600	–	0699
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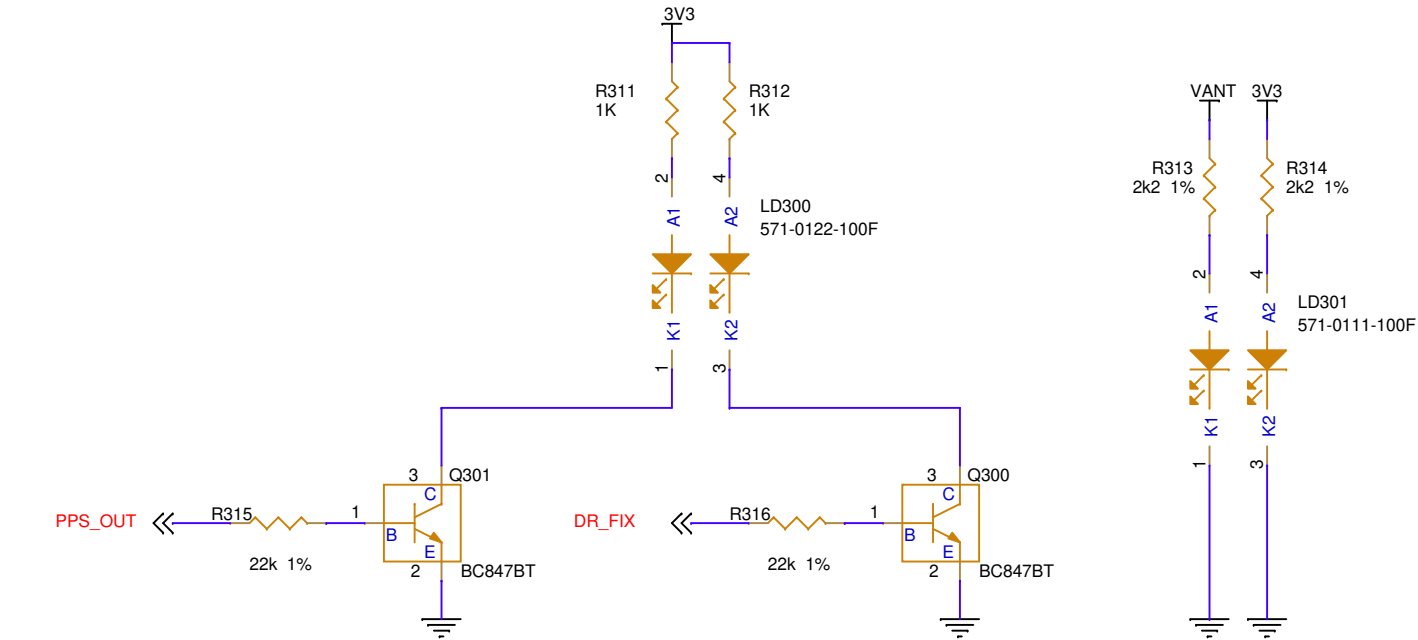
Bloc diagram

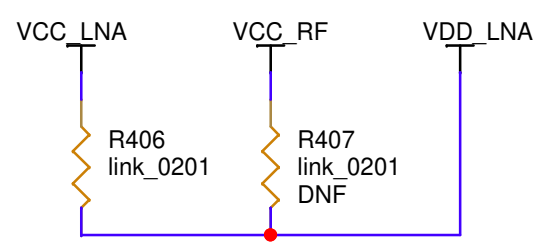


UART BY USB

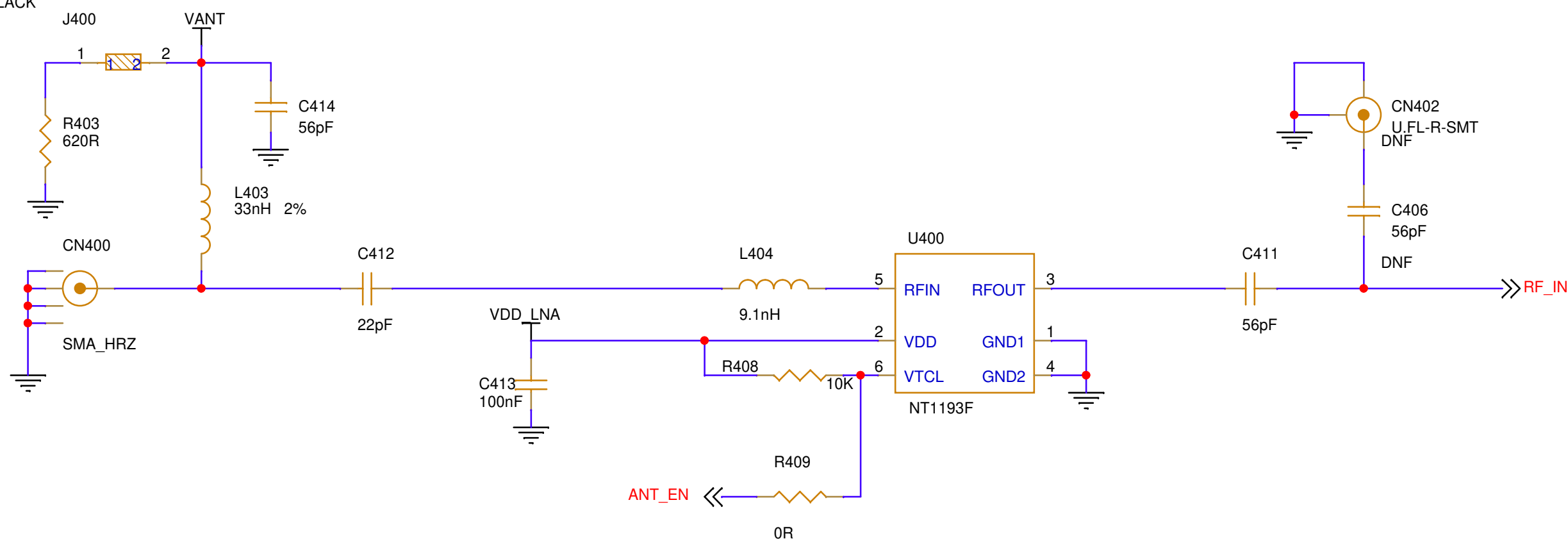
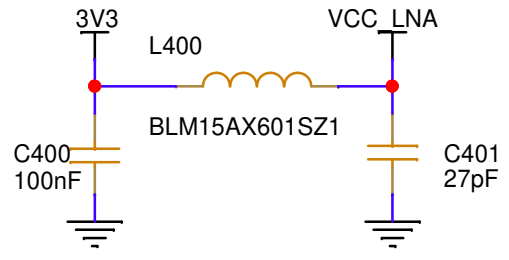


LEDs

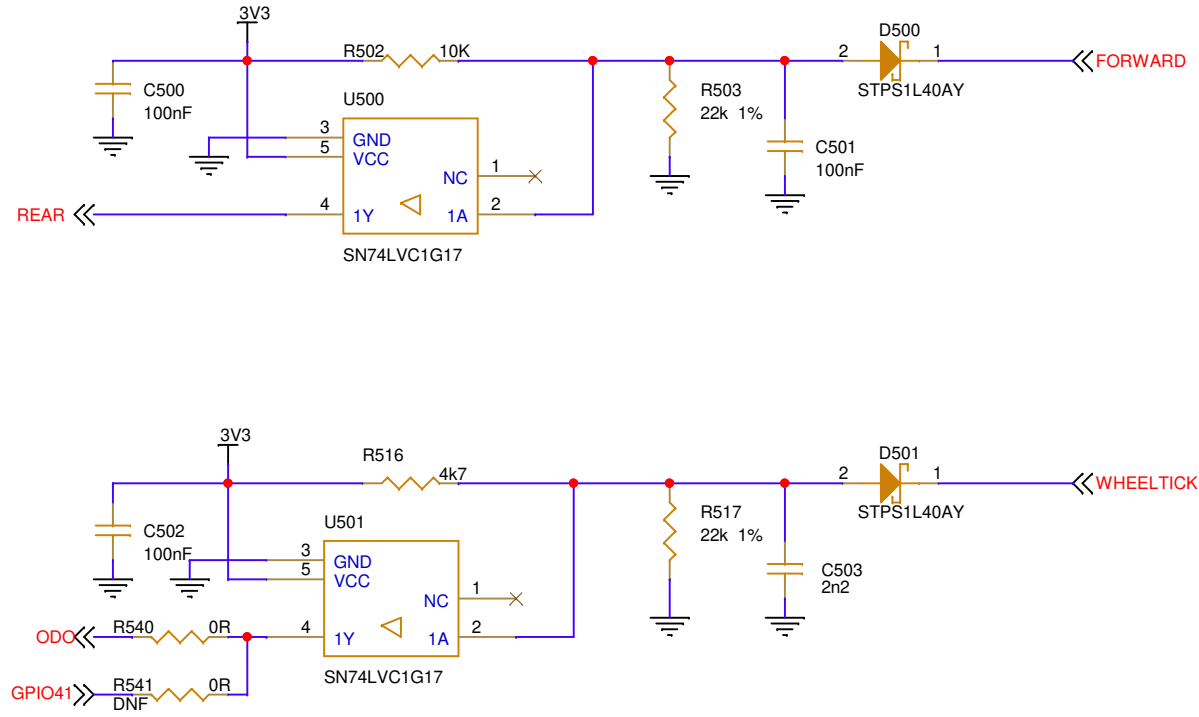




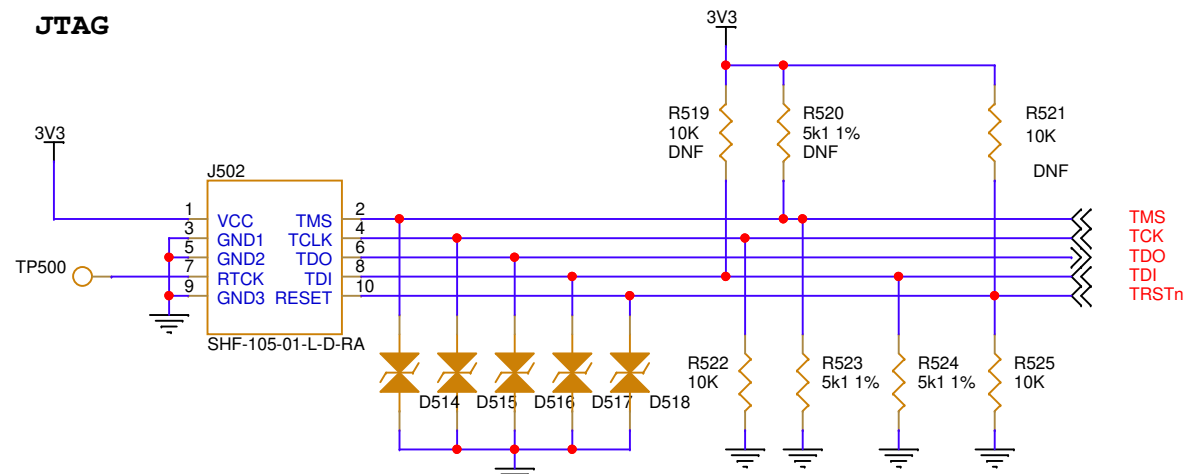
COMP REF	CONFIG
R406	MOUNTED
R407	DNF



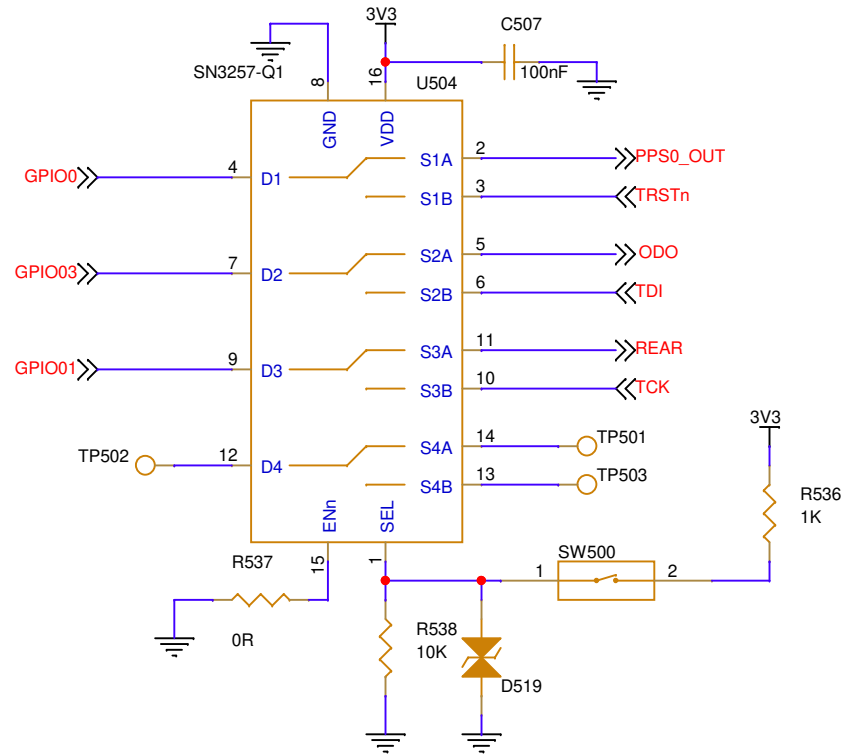
REAR & ODOmeter



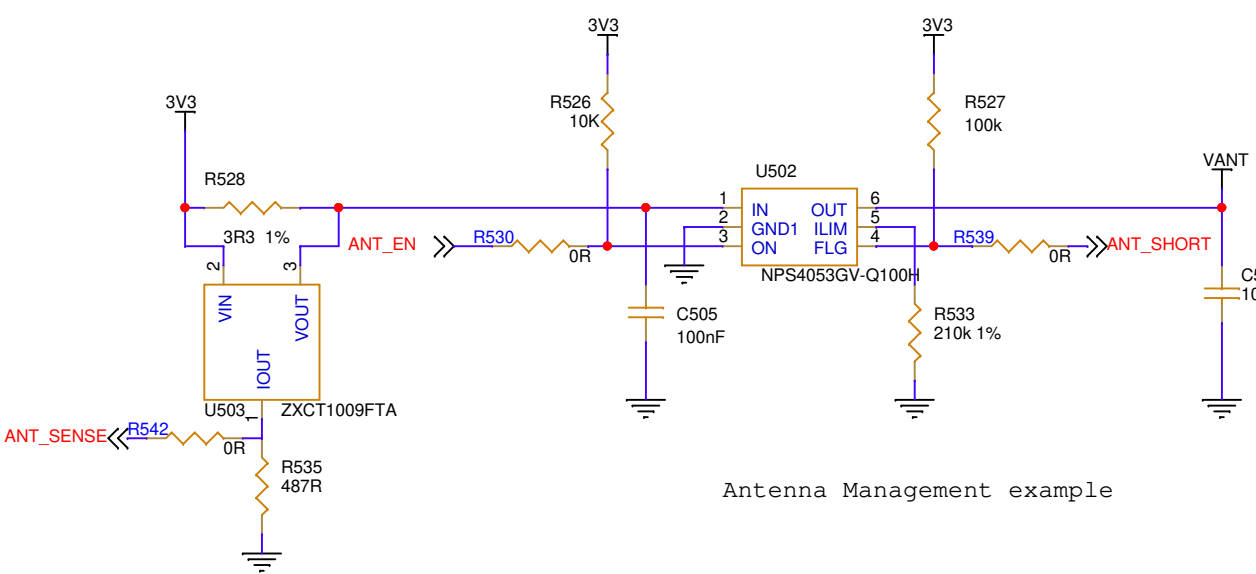
JTAG



for 2 wire JTAG no PU on TRSTN



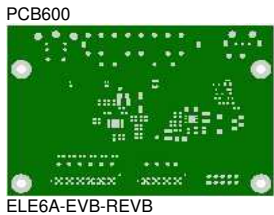
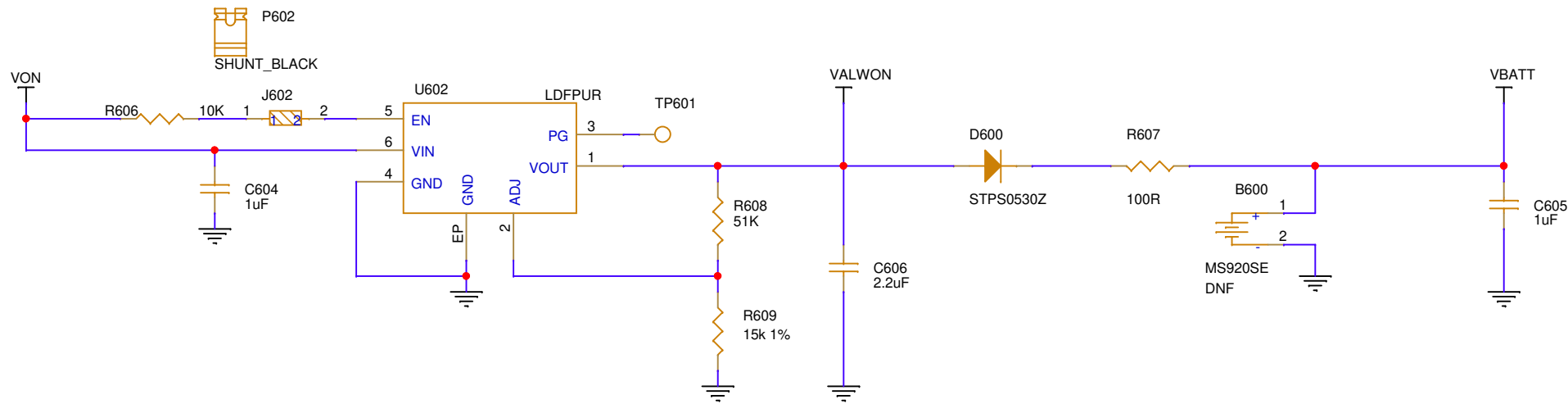
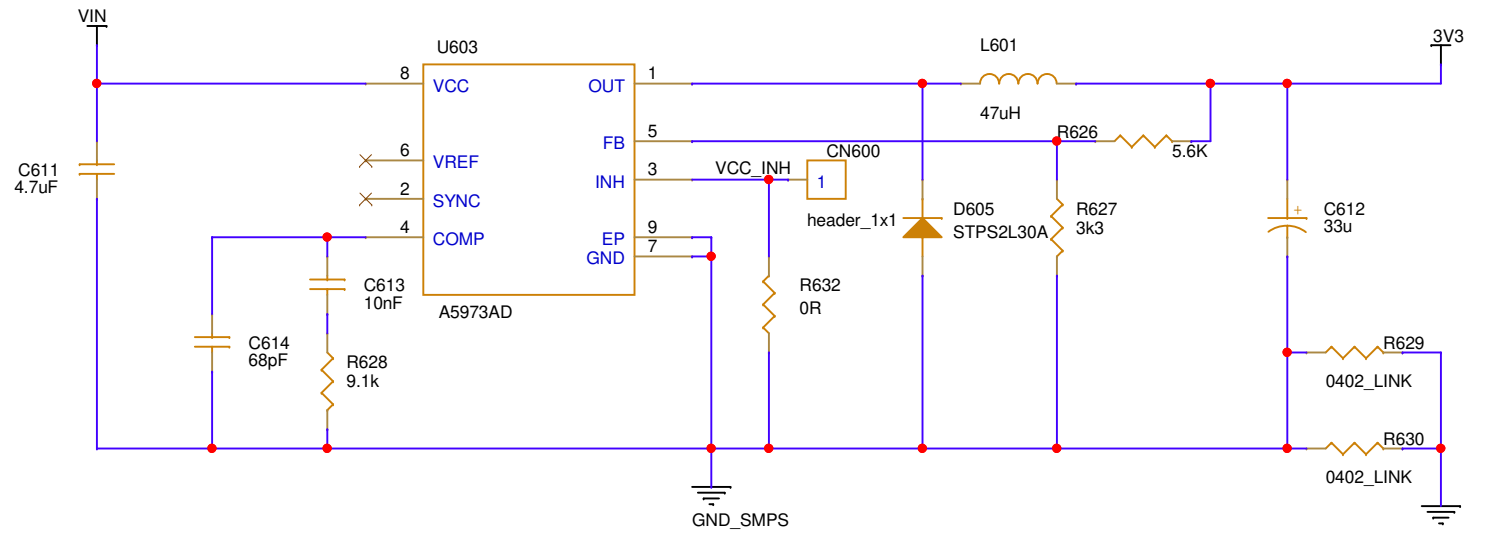
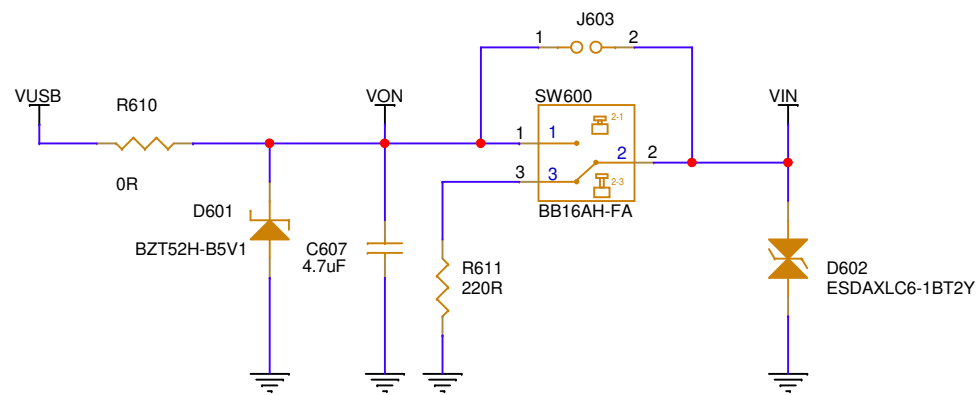
Antenna sensing



Antenna Management example

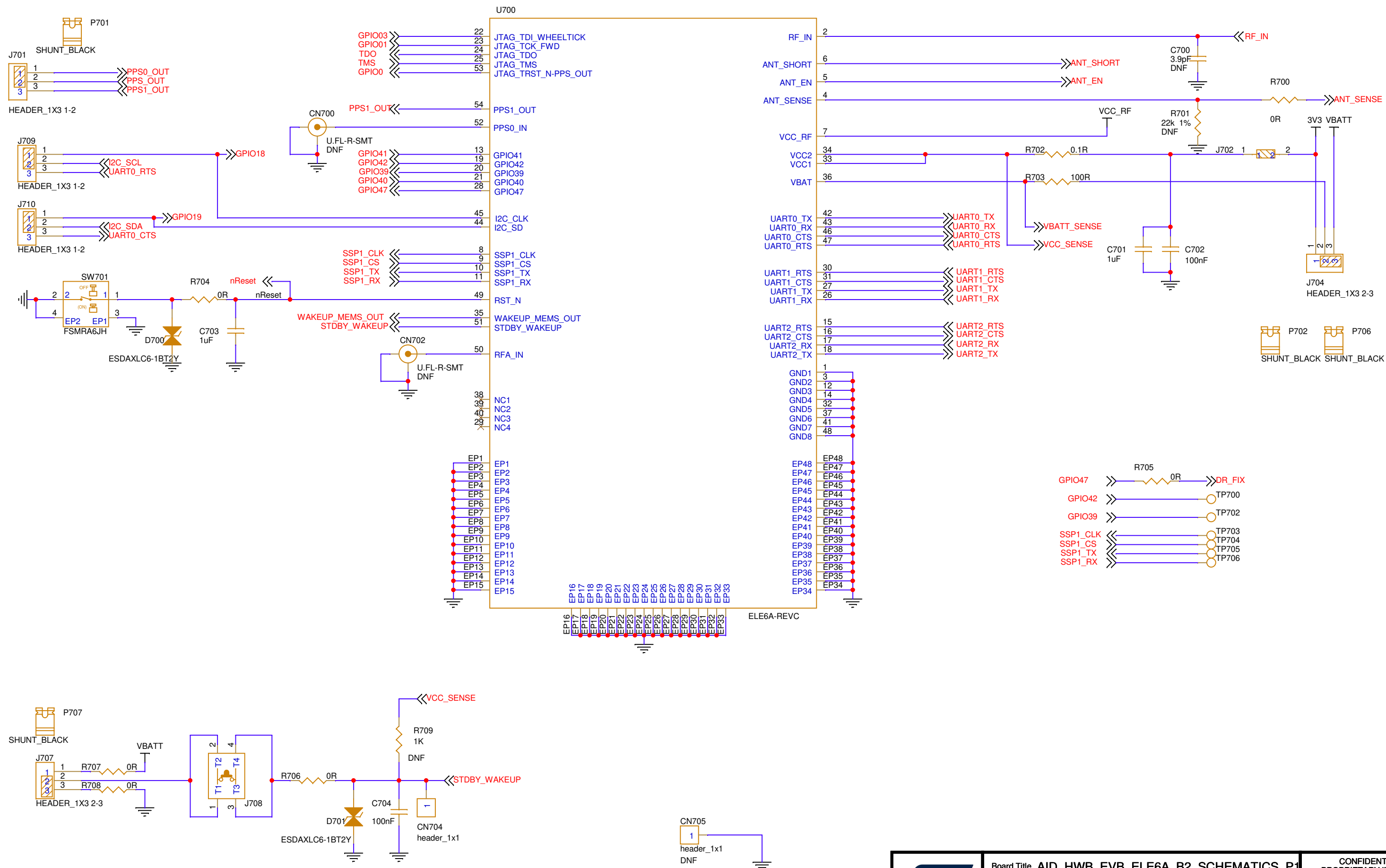
POWER

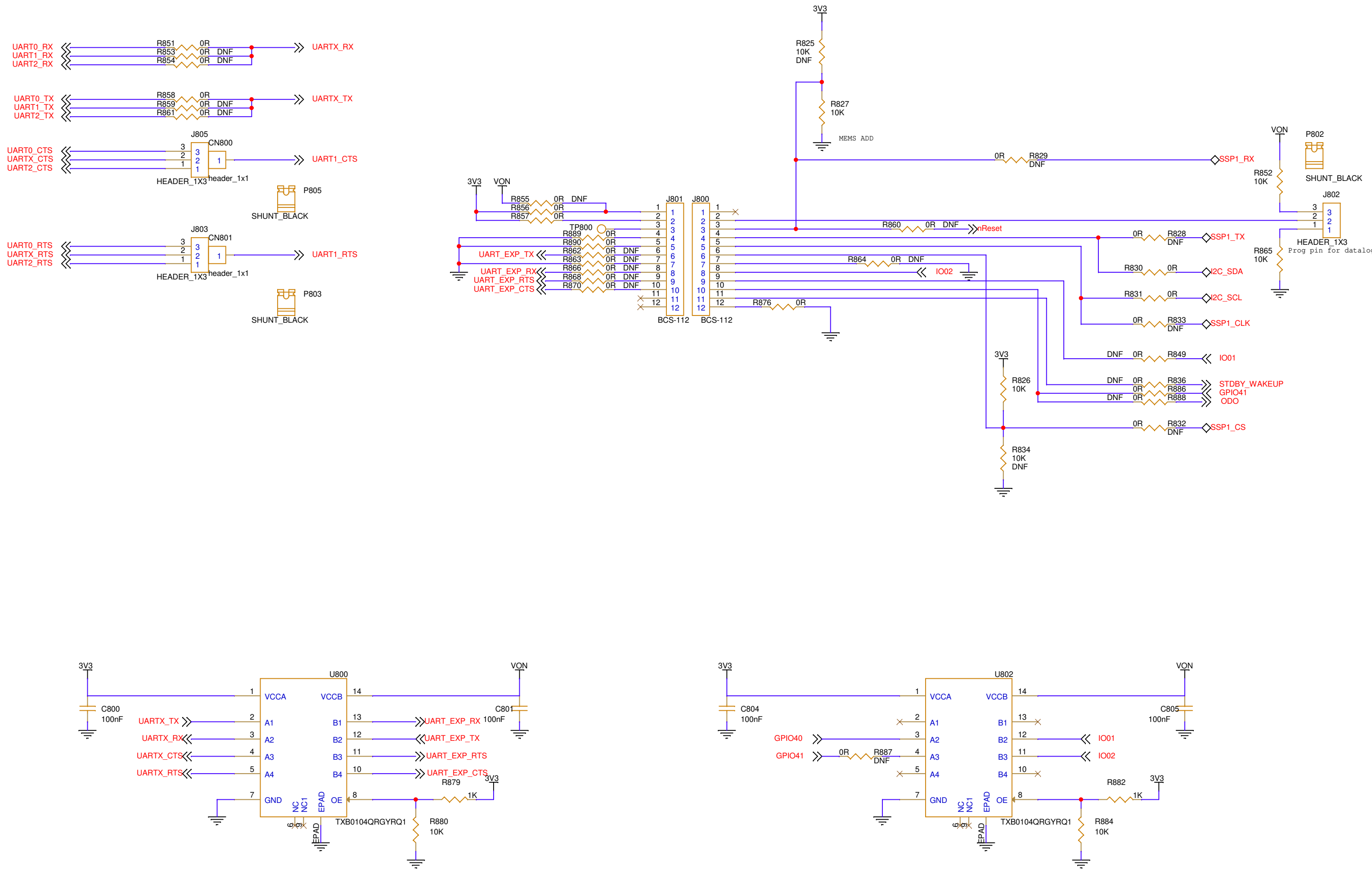
Designed in OrCAD Capture 16.6



HW600
XXXXY-AABBCC
12345678-123
HW_LABEL_SERIAL_NUMBER

 life.augmented	Board Title AID_HWB_EVB_ELE6A_B2_SCHEMATICS_P1				CONFIDENTIAL AND PROPRIETARY INFORMATION	
	Sheet Title PAGE 06: Power & Miscellaneous					
	Doc No 856387	Date Thursday, February 06, 2025	Rev B1	6	Sheet / 9	This drawing and the information herein, is not to be used or copied without the prior written permission of STMicroelectronics.





ELE6A-EVB REV A1:

- Mount resistor for SSP test R872 and R873
- Update output 3,3V R626 3.3k and R627 5.6k
- Update output VBATT R608 51k and R609 15K
- Reset filtering issue change R704 by 0R
- USB issue change R329 and R330 by 0R

ELE6A-EVB REV B0:

- Remove LNA by pass ticket 161596
- Remove discret LNA ticket 160931
- Remove option smps for core supply ticket 161590
- JTAG issue correction ticket 161447
- USB connector assembly issue ticket 160882
- Connect INT2 of expansion (sensors in i2c) ticket 161307
- Disconnect INT 1 of MEMS expention ticket 160660
- Improve test coverage at Production EMS (For ex. RTS/CTS) ticket 160933
- Antenna current monitor update ticket 160928
- Update schematic to support binary download on SSP interface via FTDI ticket 160939
- Change module for REVC
- Add possibility to connecte VCC to Standby_in
- Connect PIN 4 and 5 of J801 to GND