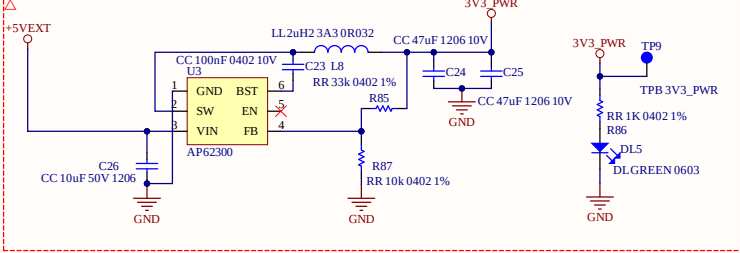
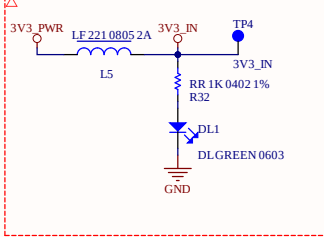


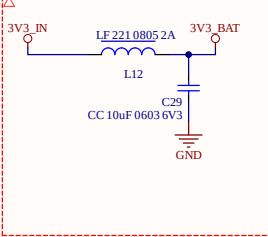
Power Supply : +5VEXT To 3V3_PWR Converter



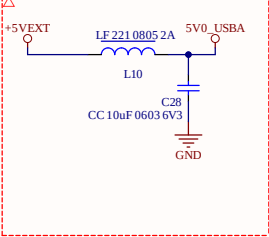
Power supply : 3V3_PWR to 3V3_IN



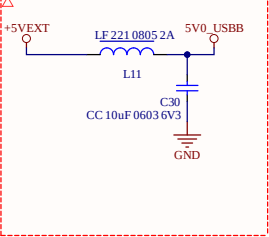
Power supply : 3V3_IN to 3V3_BAT



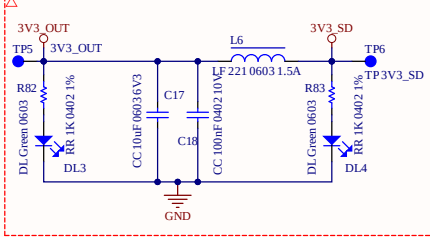
Power supply : +5VEXT to 5V0_USB



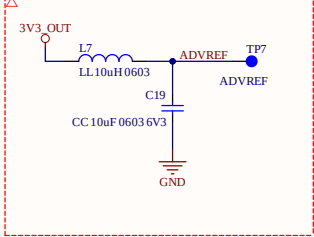
Power supply : +5VEXT to 5V0_USB



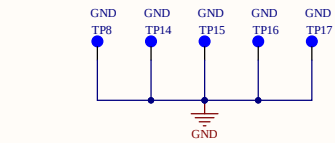
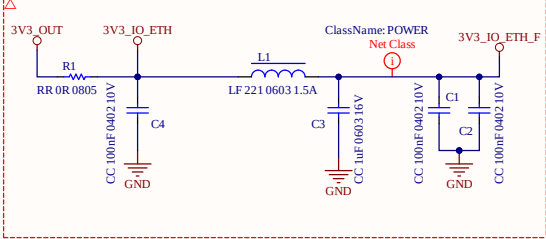
Power supply : 3V3_OUT to 3V3_SD



Power supply : 3V3_OUT to ADVREF



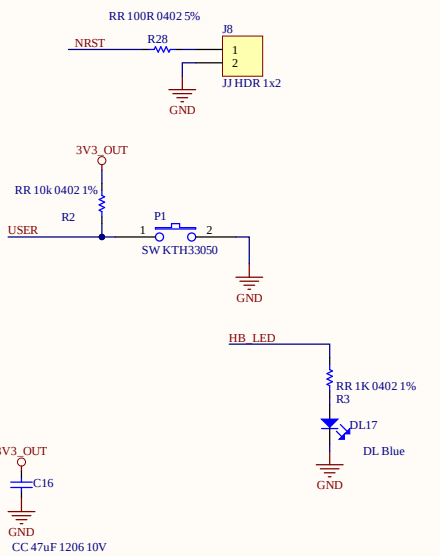
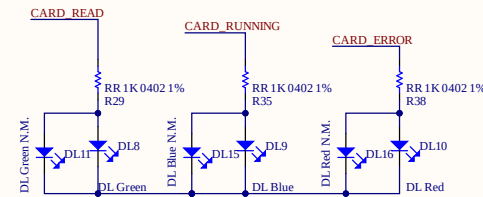
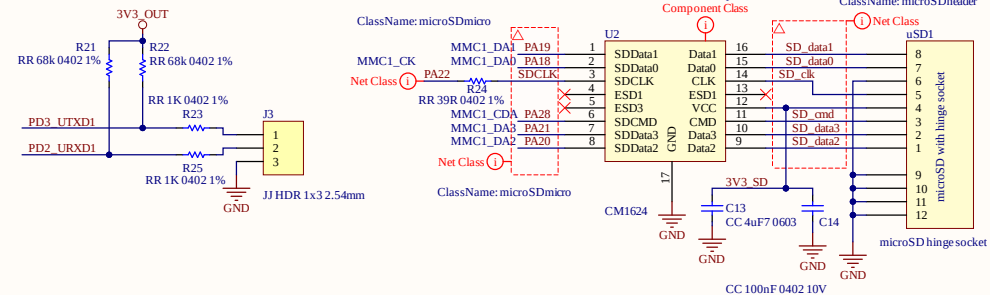
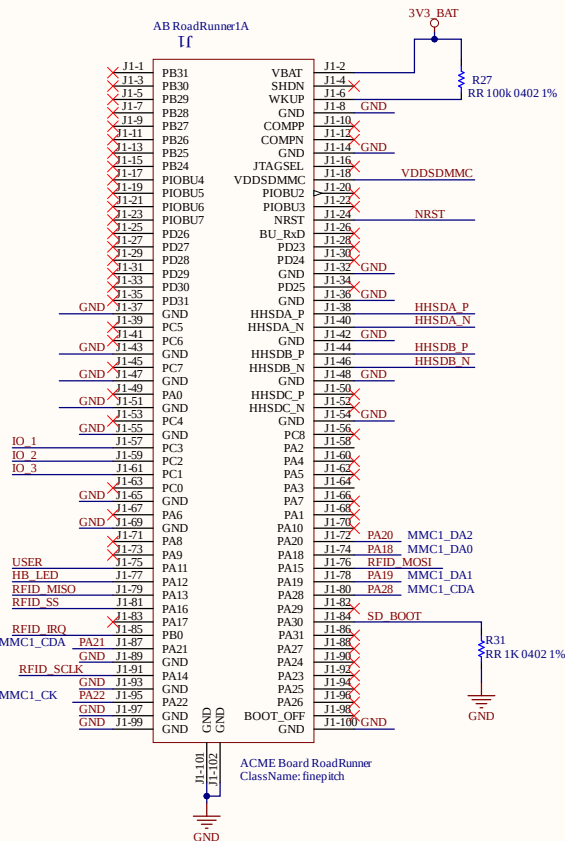
Power supply : 3V3_OUT to 3V3_IO_ETH to 3V3_IO_ETH_F



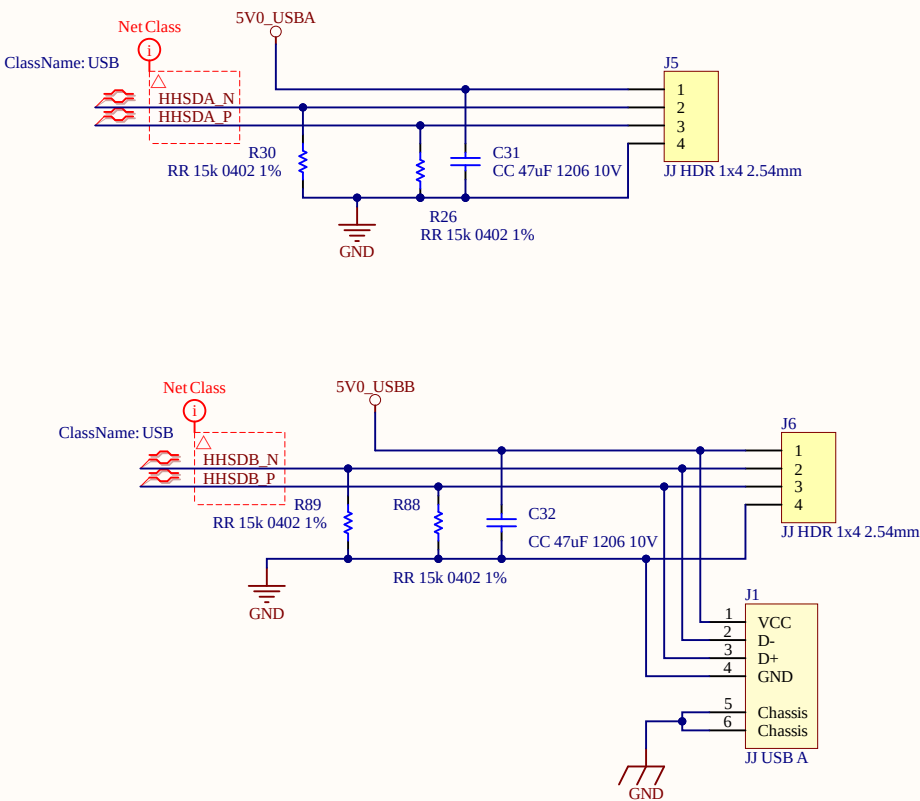
Connections, Signals & Ports :

- Ethernet /POE
- USB To WiFi Module :USB B (HHSDB_P/HHSDB_N)
- Serial for Debug : UART 1 (PD2=RX / PD3=TX)
- SPI to RFID : FLEXCOM 3 (PA15=MOSI / PA13=SCLK / PA16=SS)
- GPIOs :
- AUXILIARY OUTPUTS :
 - IO_1 = PC3
 - IO_2 = PC2
 - IO_3 = PC1
- RFID LEDS :
 - CARD_ERROR = PD8
 - CARD_READ_PD10
 - CARD_RUNNING = PD7
- USERBUTTON :
 - USER = PA11
- USER LED :
 - HB_LED = PA12

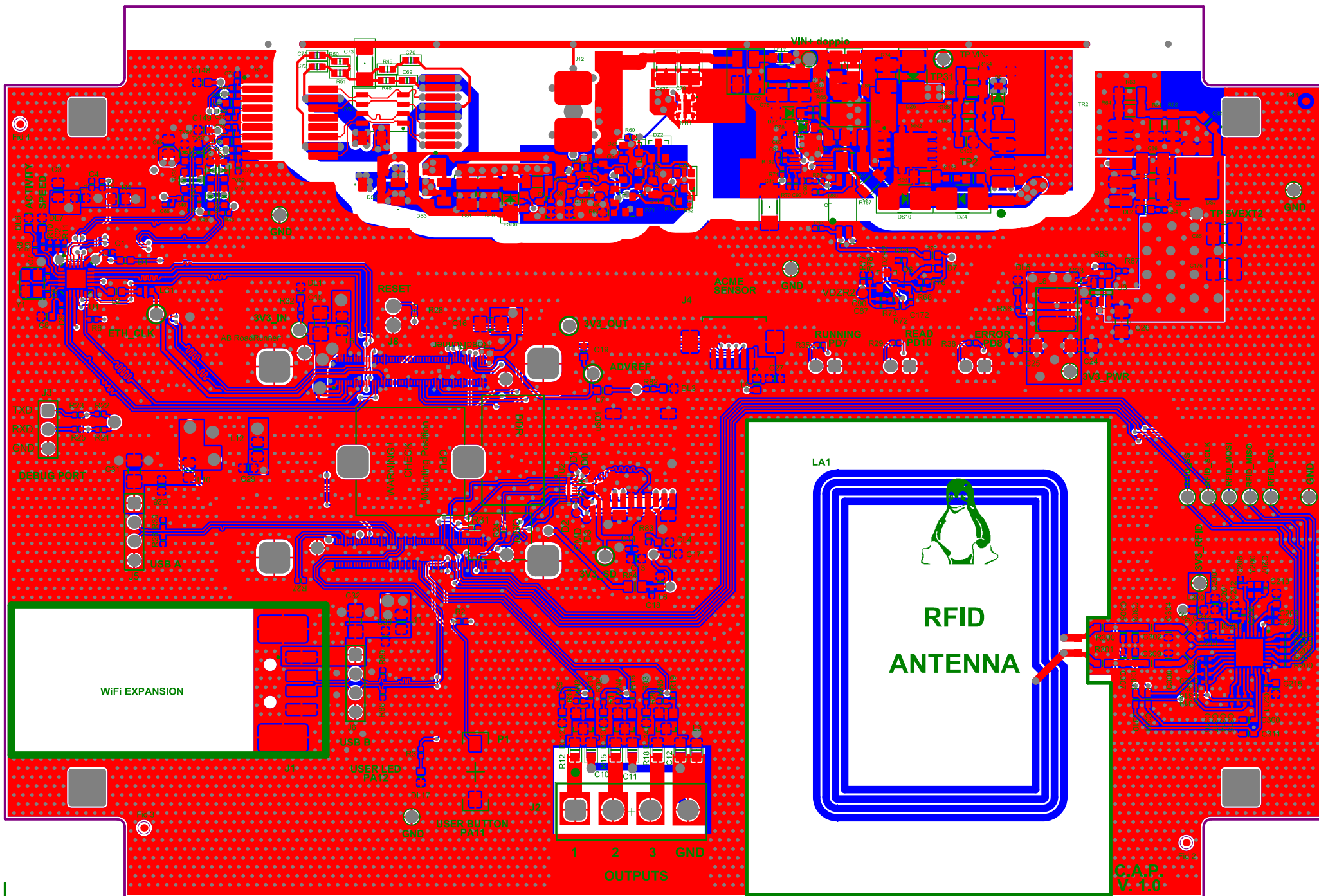
Name	Description	Type	Pin	Port
USARTUART	SPI	UART	PC3	PC3
USARTUART	SPI	UART	PC2	PC2
USARTUART	SPI	UART	PC1	PC1
FLEXCOM_03_RSSI	RSSI	IO	PA15	PA15
FLEXCOM_03_MISO	MISO	IO	PA13	PA13
FLEXCOM_03_SCK	SCK	IO	PA16	PA16
FLEXCOM_03_CS	CS	IO	PA14	PA14
FLEXCOM_03_CS	CS	IO	PA15	PA15
FLEXCOM_03_CS	CS	IO	PA16	PA16
FLEXCOM_03_CS	CS	IO	PA17	PA17
FLEXCOM_03_CS	CS	IO	PA18	PA18
FLEXCOM_03_CS	CS	IO	PA19	PA19
FLEXCOM_03_CS	CS	IO	PA20	PA20
FLEXCOM_03_CS	CS	IO	PA21	PA21
FLEXCOM_03_CS	CS	IO	PA22	PA22
FLEXCOM_03_CS	CS	IO	PA23	PA23
FLEXCOM_03_CS	CS	IO	PA24	PA24
FLEXCOM_03_CS	CS	IO	PA25	PA25
FLEXCOM_03_CS	CS	IO	PA26	PA26
FLEXCOM_03_CS	CS	IO	PA27	PA27
FLEXCOM_03_CS	CS	IO	PA28	PA28
FLEXCOM_03_CS	CS	IO	PA29	PA29
FLEXCOM_03_CS	CS	IO	PA30	PA30
FLEXCOM_03_CS	CS	IO	PA31	PA31
FLEXCOM_03_CS	CS	IO	PA32	PA32



Title	I/O	Author	F. Rinalduzzi	Revision	1.0	ACME Systems srl	www.acmesystems.eu
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File	Velna-CAP_IO_1.0.SchDoc						



Title USB			ACME Systems srl	
Size: A4	Author: F. Rinalduzzi	Revision:2.0		
Date: 2024-11-05	Time: 10:00:17	Sheet6 of 8		
File: Velna-CAP USB_1_0.SchDoc				



C.A.P.
V. 1.0