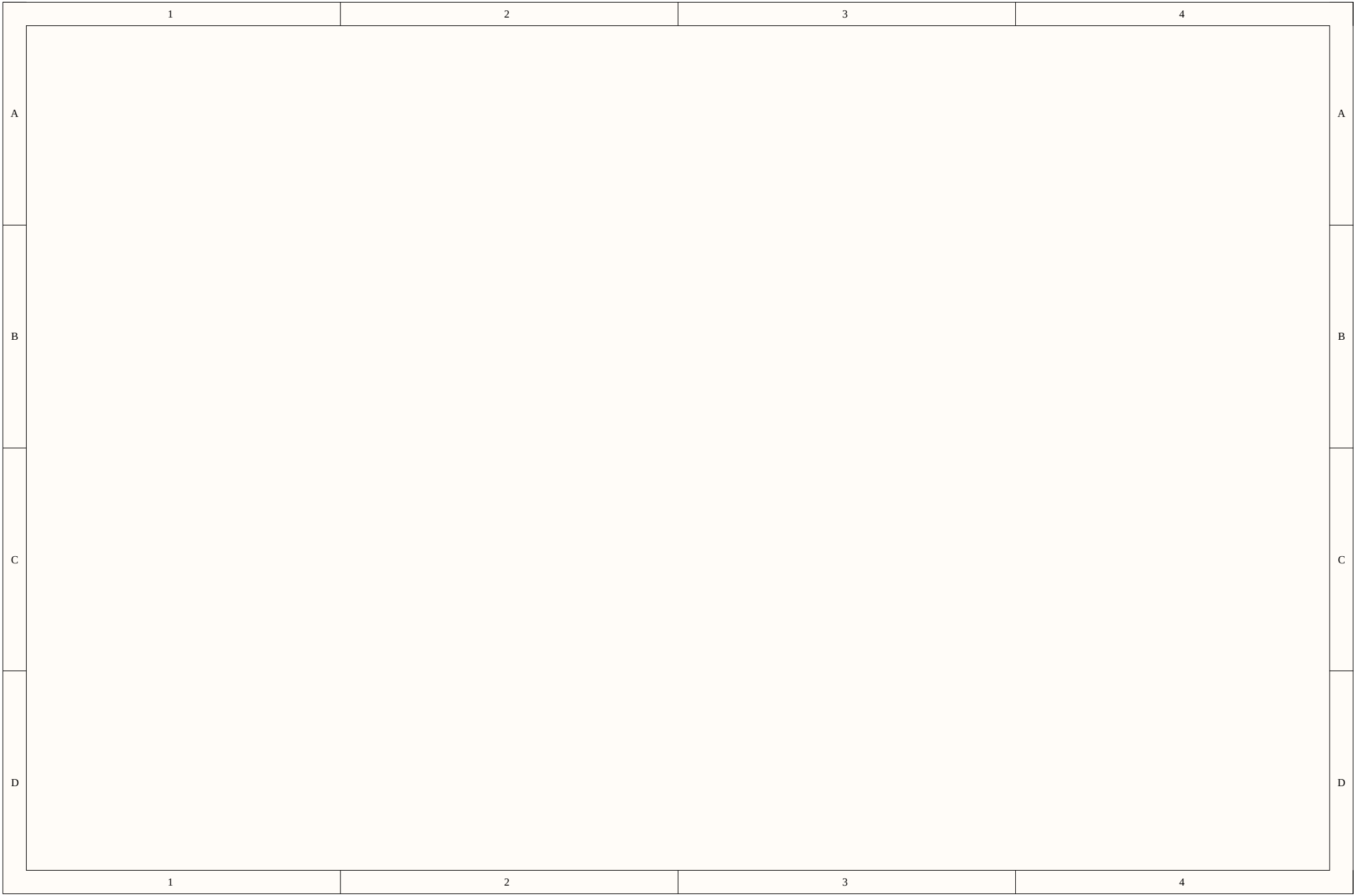
1
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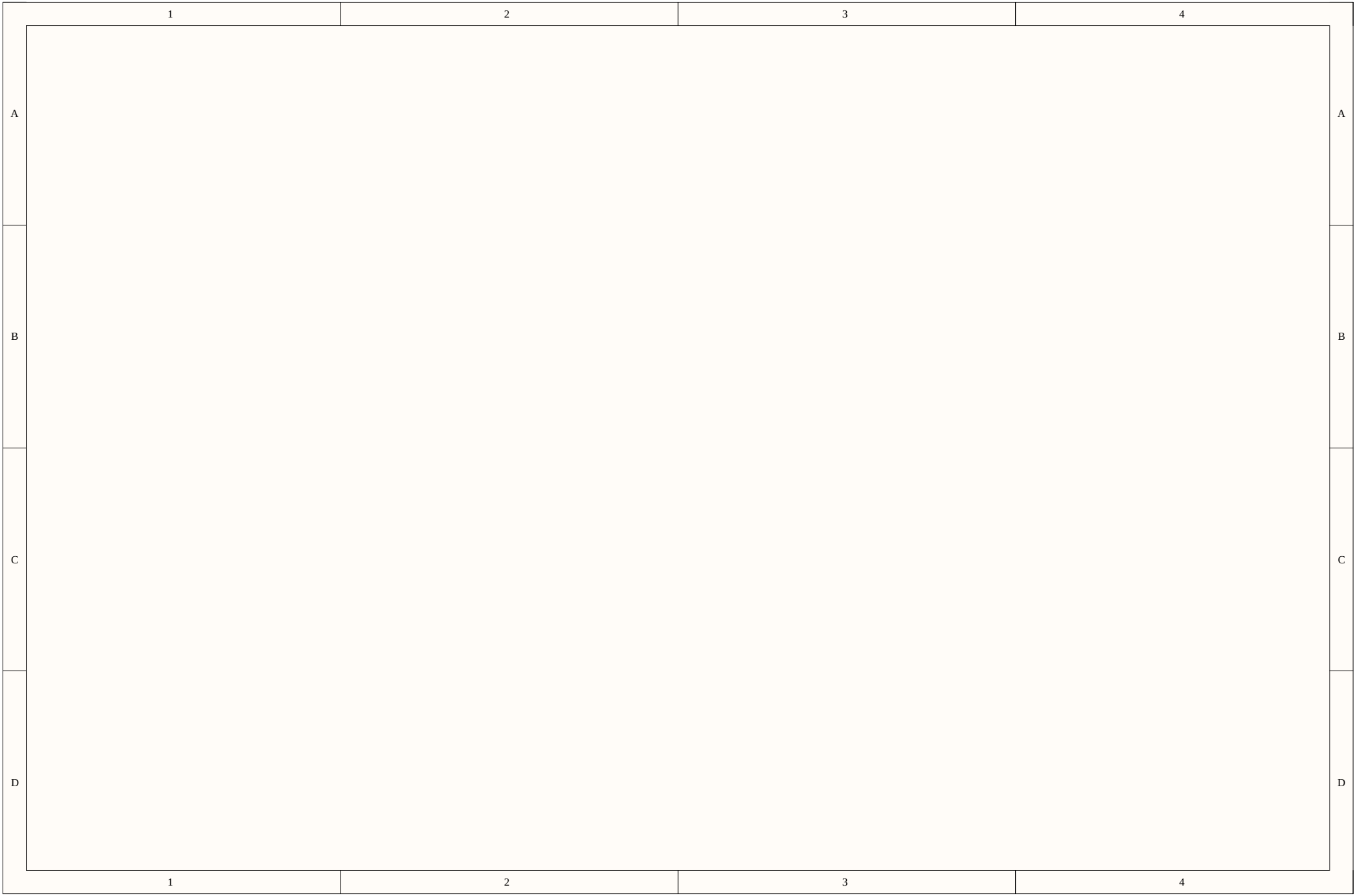
3
4
A
B
C
D

Version	Change Log
Ver 1.0.0	First release
Ver 1.0.1	Thay IC nguồn MP9486 Sửa lỗi GPS không nạp được MCU (thêm cut-off GPS) Thêm 2 kênh OUTPUT có thể thay thế 2 kênh INPUT đang có
Ver 2.0	Thay module ==> dùng cặp A7670E + L76-L Sử dụng antenna 25x25x4
Ver 3.0	Thay MCU STM => GD Sửa chân BOOT
Ver 4.0	Thay MCU + Module GSM + Moduyle GPS => Open MCU A7672S Anten GSM 2 Option: Anten PCB và Aten rời
VNGS01 V1.0	OpenMCU: - Thay đổi Pin I/O: OMCU_ALT1 (26 => 21), OMCU_ALT2 (35 => 26), BUZZER (48 => 47), OMCU_AIR (36 => 35), OMCU_DOOR (44=> 36), EN_RFID (47 => 44), OMCU_MEM_CS (53 => 48), OMCU_RFID_CS (12 => 66) - Bỏ Pin I/O: NETLIGHT (52), SWITCH PWKEY - Thêm Pin I/O: I/O xác định phiên bản HW1: PIN 67, 68 (mức 0) - Bỏ LNA anten GPS - Thay cặp trở ADC_POWER_IN - Thay khay SIM (MUP-C792 => MUP_C7803) - Thêm trở treo đầu ra IC Logic (TXD1, TXD2, SPI_MOSI, SPI_CLK) RFID: Sửa lỗi khi chuyển sang SPI bị lỗi MOTION: Bổ sung cảm biến gia tốc KXTJ3-1057 (OP) PERIPHERAL: - Thay cặp trở phân áp ADC_5V - Sửa ALT - Thay trở hạn dòng cho Led (1K => 120R)
VNGS01 V1.1	SIM Socket: Thay Socket SIM (C7803 => C7801-2)
VNGS02 V1.2	Nạp: Thêm Micro USB + Công tắc Boot Anten: Thêm mạch LNA Anten GPS; Bỏ Anten PCB GSM trên mạch Đổi cặp UART giữa cổng DB9 và cổng MX3.0
VNGS01 V1.3	Thay đổi Max232 sang Transistor Thay đổi tụ TanT sang Alu Thay đổi Buzzer cắm sang dán Thay đổi cổng nạp sang Testpoint(Via)

Page	Index
1	COVER PAGE
2	BLOCK DIAGRAM
3	.....
4	.....
5	.....
6	.....
7	.....
8	.....
9	.....
10	.....
11	.....
12	.....
13	.....
14	.....
15	.....

Nguồn có vấn đề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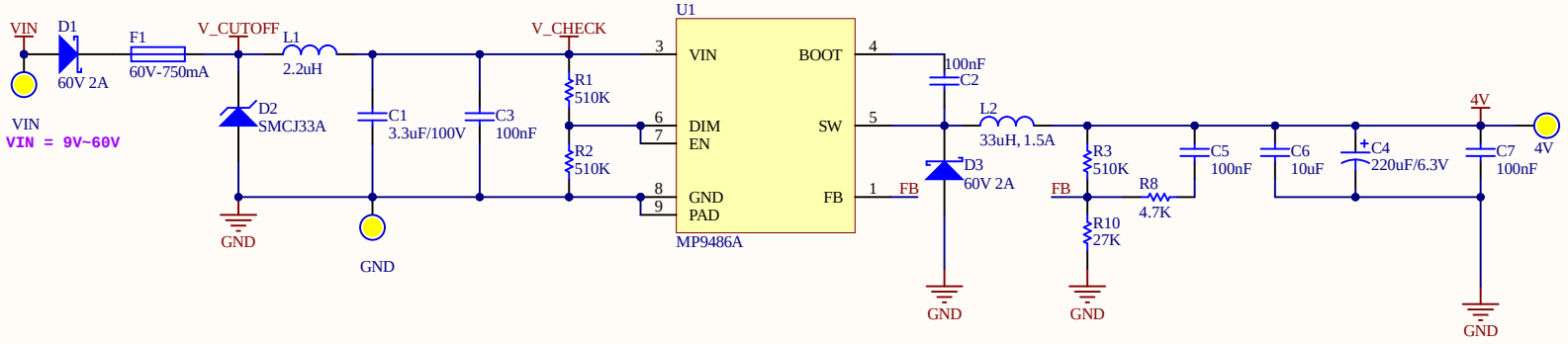
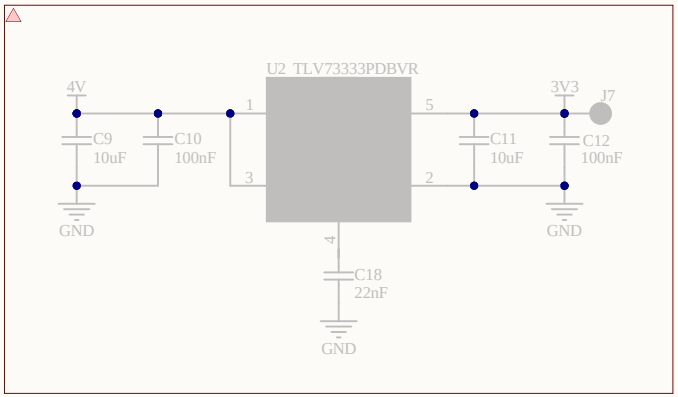
4
A
B
C
D

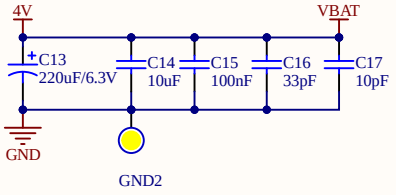
VNETGPS

VNGS01 V1.32 (12/07/2023)

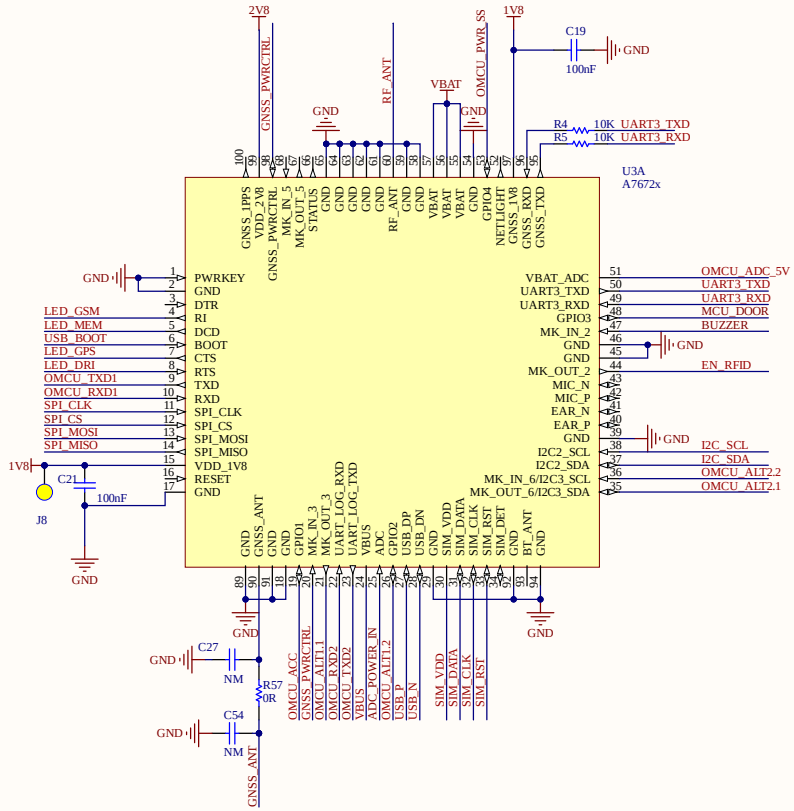
POWER DC

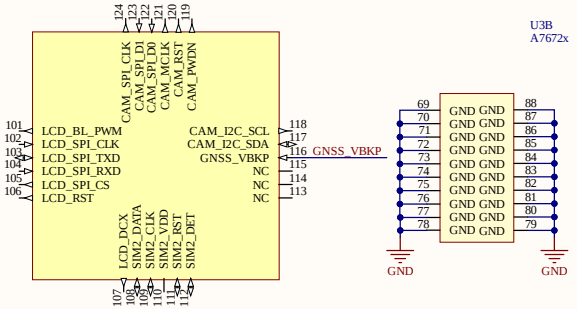




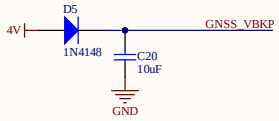


OPEN MCU

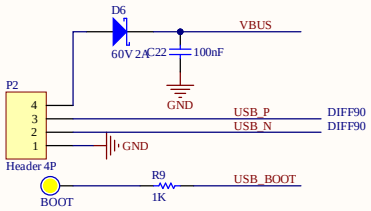




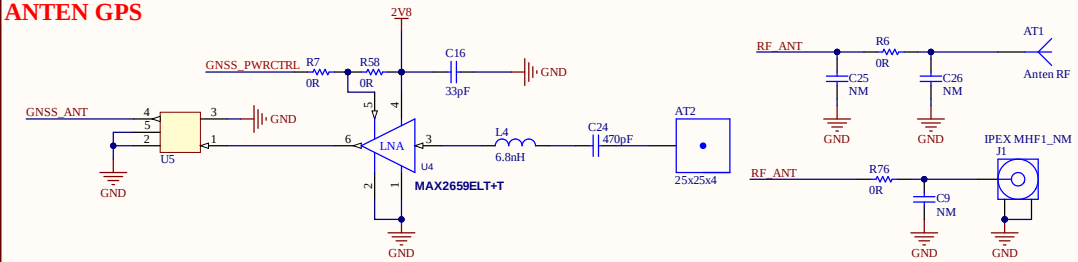
To OMCU:
GNSS_VBKP: PIN(116)
Input Voltage: 1.4V ~3.6V



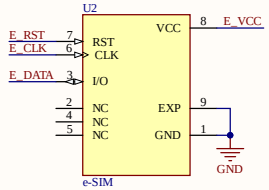
USB



ANTEN GPS

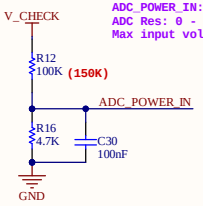


SIMCARD



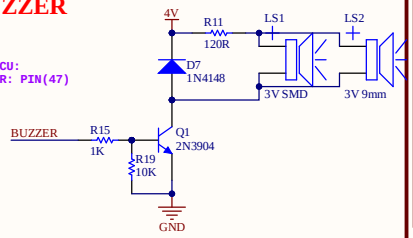
ADC POWER IN

To OMCU:
ADC_POWER_IN: PIN(25)
ADC Res: 0 - 1V8
Max input voltage: 50V

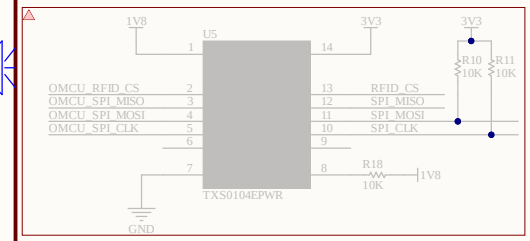


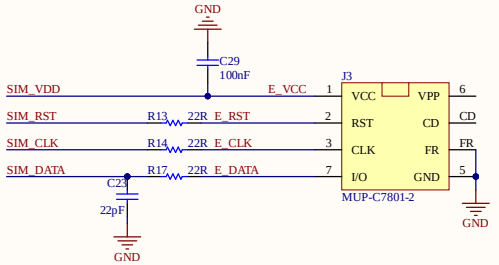
BUZZER

To OMCU:
BUZZER: PIN(47)

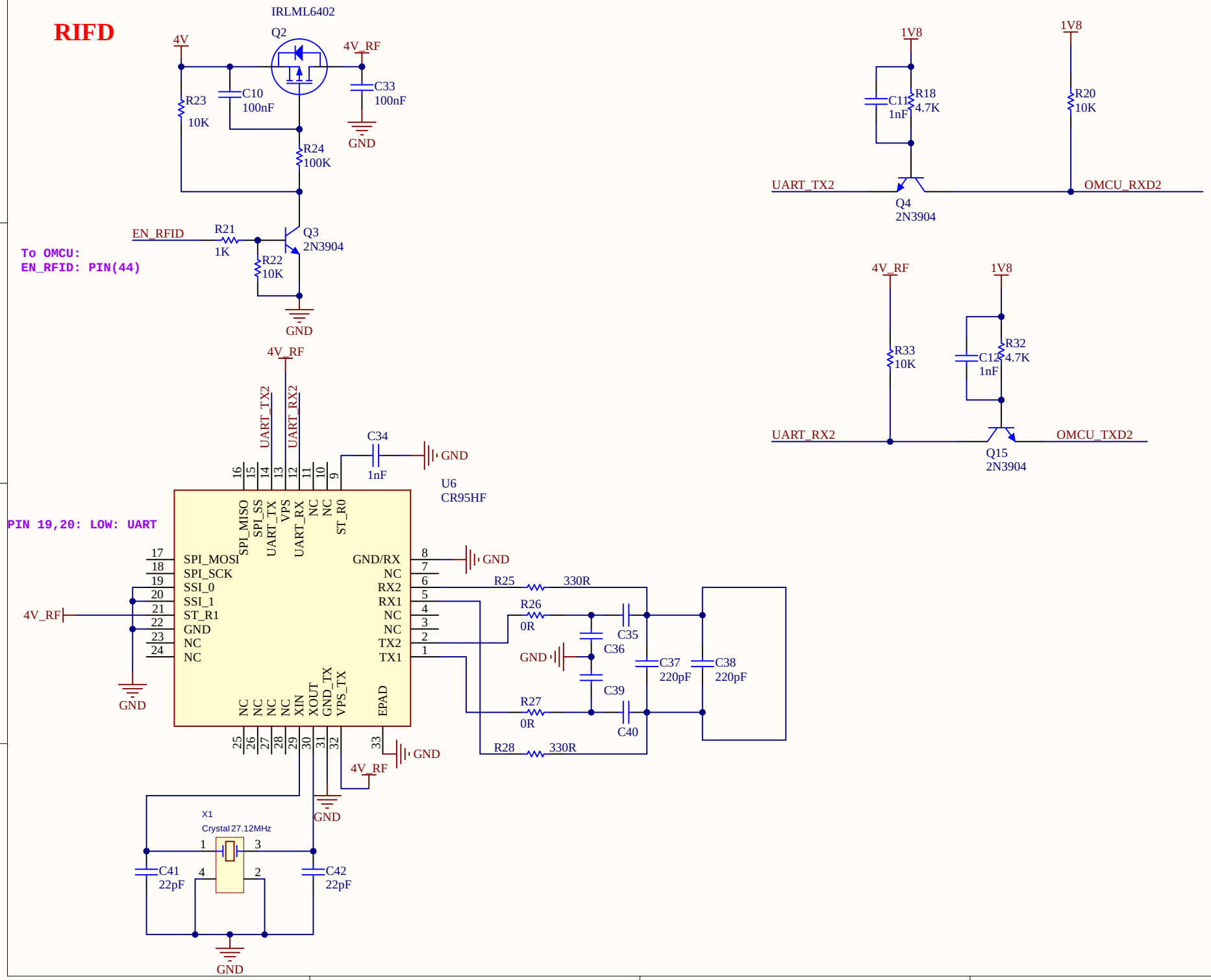


LOGIC CONVERT

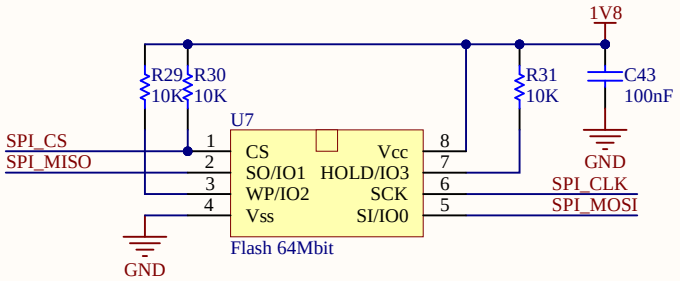




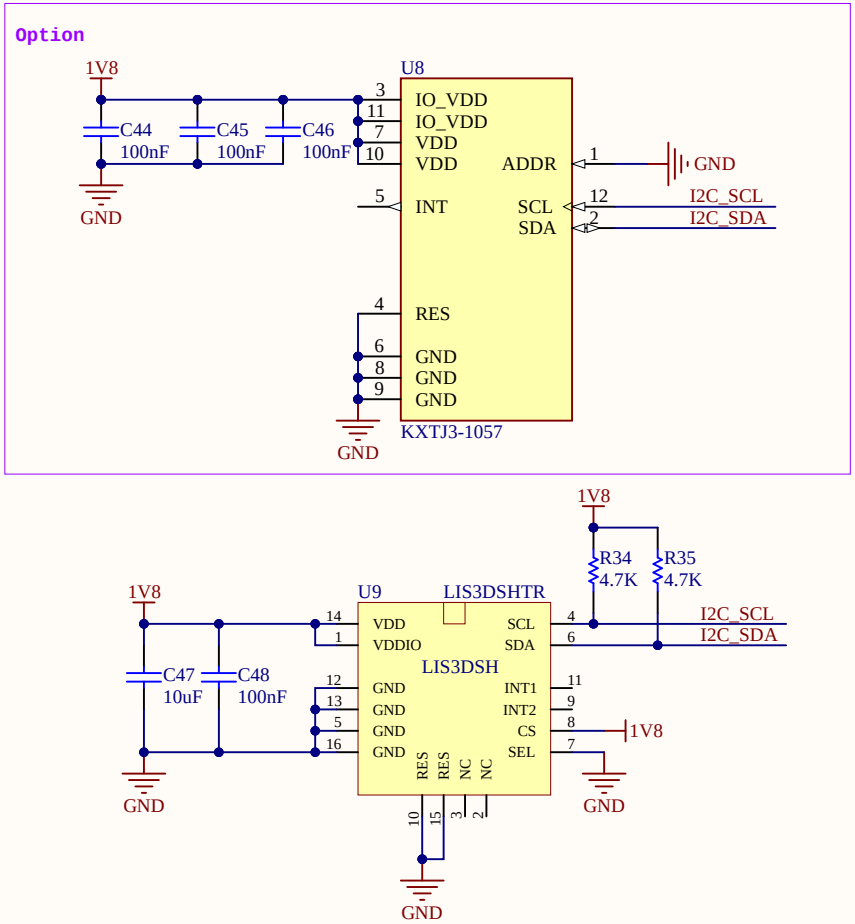
RIFD


IRLML6402
Q2
4V
4V_RF
R23
10K
C10
100nF
C33
100nF
GND
R24
100K
EN_RFID
R21
1K
Q3
2N3904
R22
10K
To OMCU:
EN_RFID: PIN(44)
1V8
R18
4.7K
C11
1nF
R20
10K
UART_TX2
OMCU_RXD2
Q4
2N3904
4V_RF
1V8
R33
10K
C12
1nF
R32
4.7K
UART_RX2
OMCU_TXD2
Q15
2N3904
U6
CR95HF
C34
1nF
SPI_MISO
SPI_SS
UART_TX
VPS
UART_RX
NC
NC
ST_R0
SPI_MOSI
SPI_SCK
SSI_0
SSI_1
ST_R1
GND
NC
NC
GND/RX
NC
RX2
RX1
NC
NC
TX2
TX1
EPAD
PIN 19,20: LOW: UART
R25
330R
R26
0R
R27
0R
R28
330R
C35
C36
C37
220pF
C38
220pF
C39
C40
X1
Crystal 27.12MHz
C41
22pF
C42
22pF

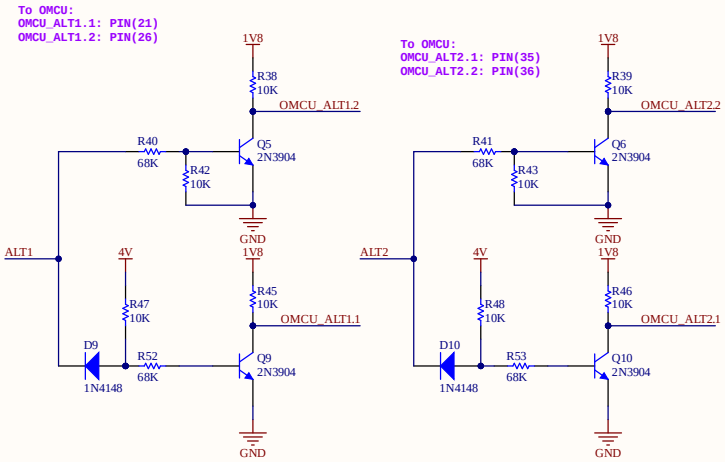
FLASH

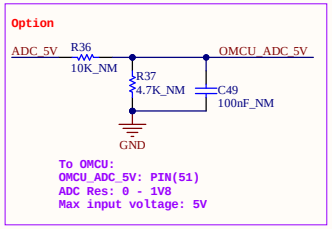

1V8
R29
10K
R30
10K
R31
10K
C43
100nF
U7
SPI_CS
SPI_MISO
1
2
3
4
CS
SO/IO1
WP/IO2
Vss
Vcc
HOLD/IO3
SCK
SI/IO0
8
7
6
5
SPI_CLK
SPI_MOSI
GND
GND
Flash 64Mbit

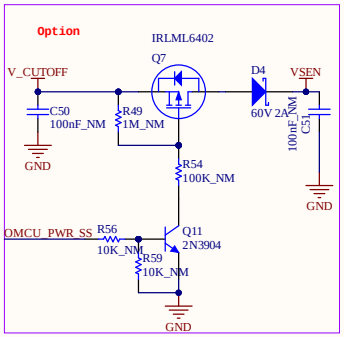
MOTION


Option
1V8
U8
C44
100nF
C45
100nF
C46
100nF
GND
3
11
7
10
IO_VDD
IO_VDD
VDD
VDD
ADDR
1
GND
5
INT
SCL
SDA
12
2
I2C_SCL
I2C_SDA
4
RES
6
8
9
GND
GND
GND
GND
KXTJ3-1057
1V8
R34
4.7K
R35
4.7K
1V8
U9
LIS3DSHTR
C47
10uF
C48
100nF
14
1
VDD
VDDIO
SCL
SDA
4
6
I2C_SCL
I2C_SDA
LIS3DSH
12
13
5
16
GND
GND
GND
GND
INT1
INT2
CS
SEL
11
9
8
7
1V8
RES
RES
NC
NC
10
15
3
2
GND
GND
GND

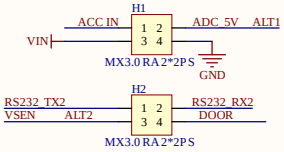
PERIPHERAL



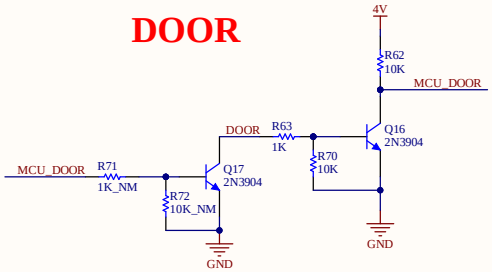




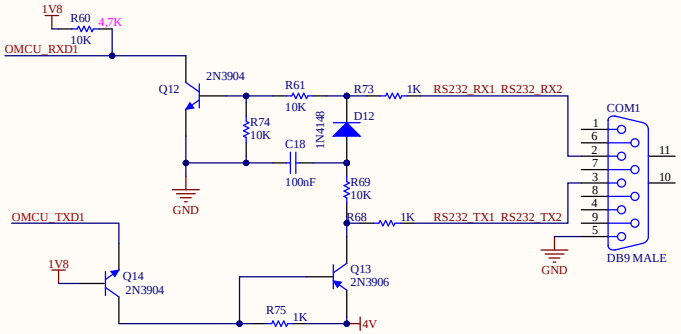
CONNECTER



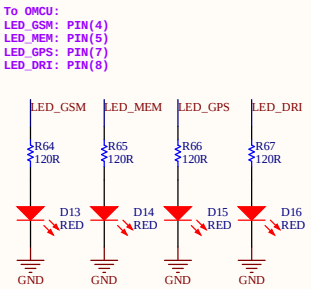
DOOR



RS232



DISPLAY LED



ACC