

1		2		3		4	
A							A
B							B
C							C
D							D
1		2		3		4	

		1	2	3	4	5	6	7	8
A	Version	Change Log						Page	Index
	Ver 1.0.0	First release						1	COVER PAGE
	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						2	BLOCK DIAGRAM
	Ver 2.0	Thay module ==> dùng cặp A7670E + L76-L Sử dụng antenna 25x25x4						3
B	Ver 3.0	Thay MCU STM => GD Sửa chân BOOT						4
	Ver 4.0	Thay MCU + Module GSM + Moduyle GPS => Open MCU A7672S Anten GSM 2 Option: Anten PCB và Aten rời						5
	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 cấp 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: Bỏ sung cảm biến gia tốc KXTJ3-1057 (OP) PERIPHERAL: - Thay cấp trở phân áp ADC_5V - Sửa ALT - Thay trở hạn dòng cho Led (1K => 120R)						6
	VNGS01 V1.1	SIM Socket: Thay Socket SIM (C7803 => C7801-2)						7
	VNGS02 V1.2	Nạp: Thêm Micro USB + Công tắc Boot Anten: Thêm mạch LNA Anten GPS; Bỏ Anten PCB GSM trên mạch Đổi cấp UART giữa cổng DB9 và cổng MX3.0						8
	VNGS01 V1.3							9
								10
								11
								12
								13
								14
								15

1

2

3

4

A

A

B

B

C

C

D

D

1

2

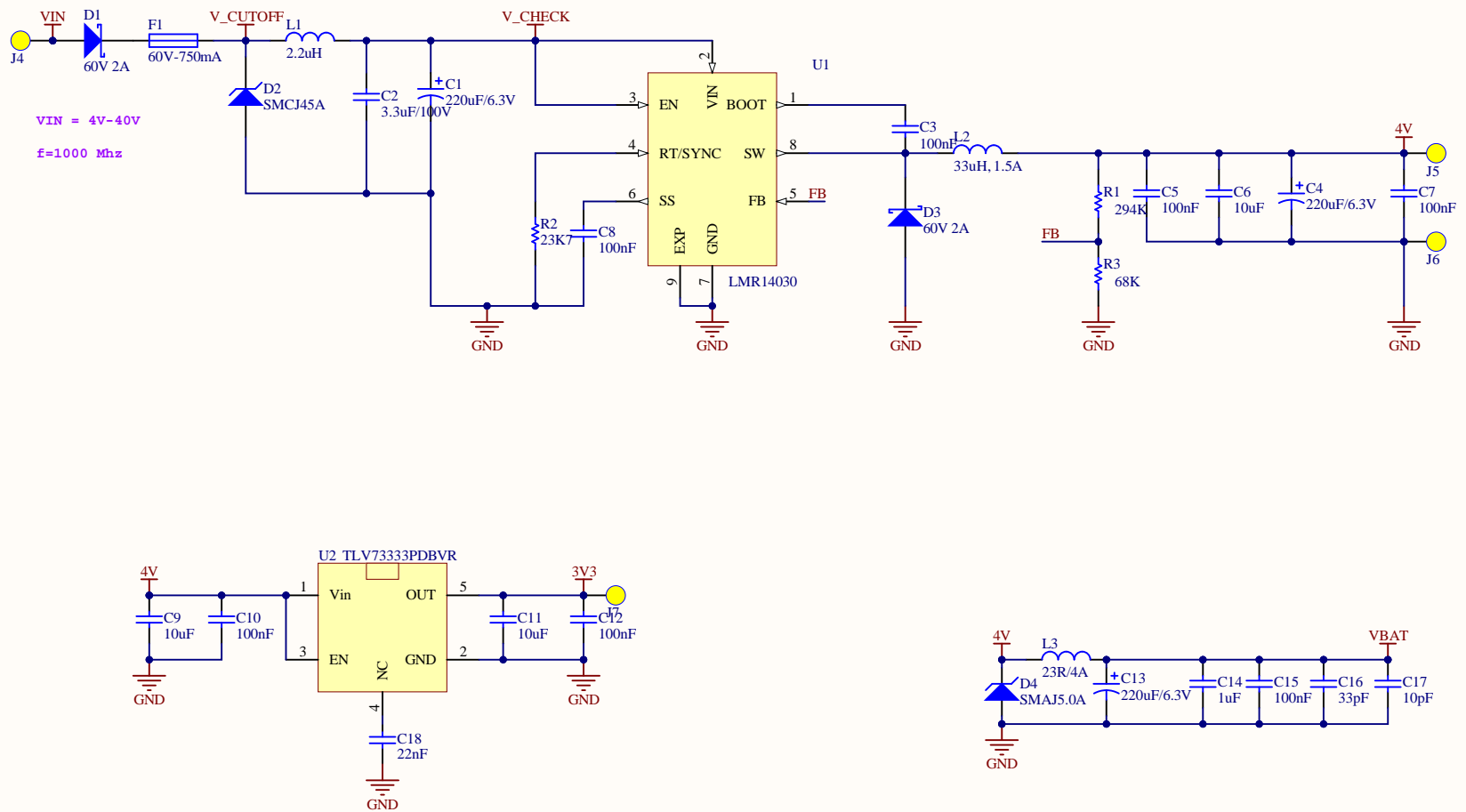
3

4

VNETGPS

VNGS01 V1.1 (26/04/2022)

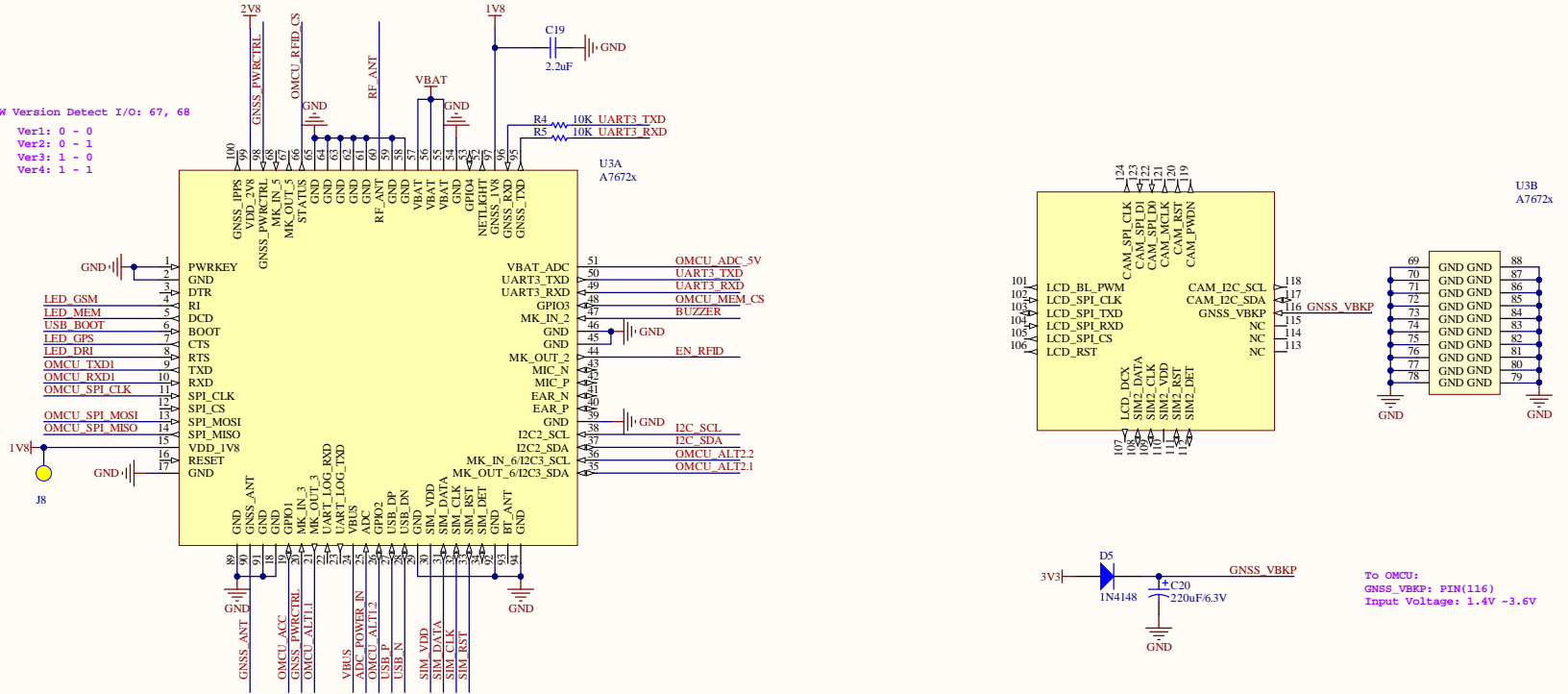
POWER DC



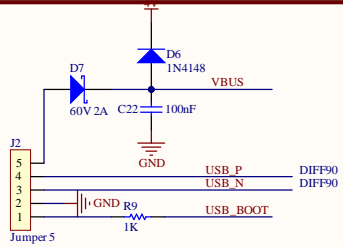
OPEN MCU

HW Version Detect I/O: 67, 68

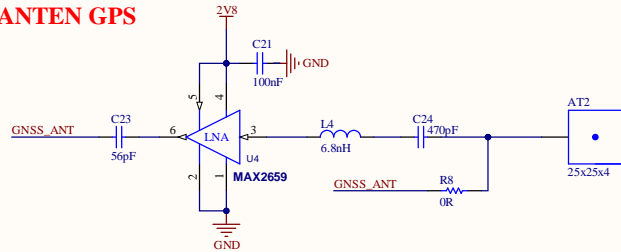
Ver1: 0 - 0
Ver2: 0 - 1
Ver3: 1 - 0
Ver4: 1 - 1



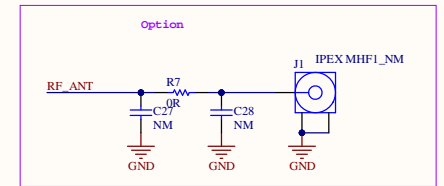
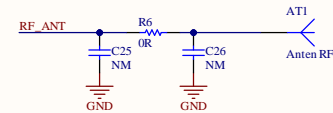
USB



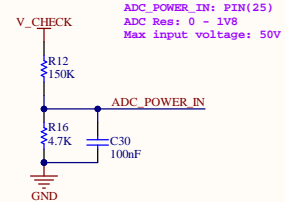
ANTEN GPS



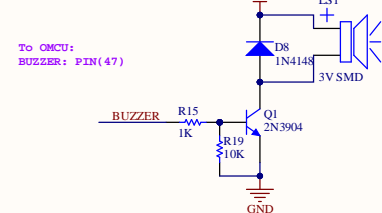
ANTEN GSM



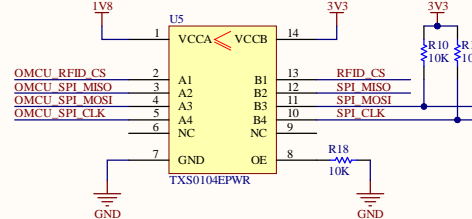
ADC POWER IN



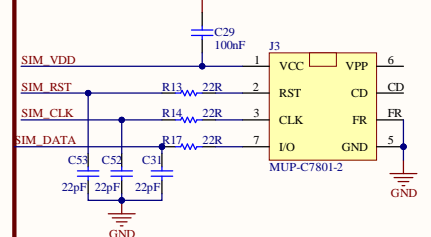
BUZZER



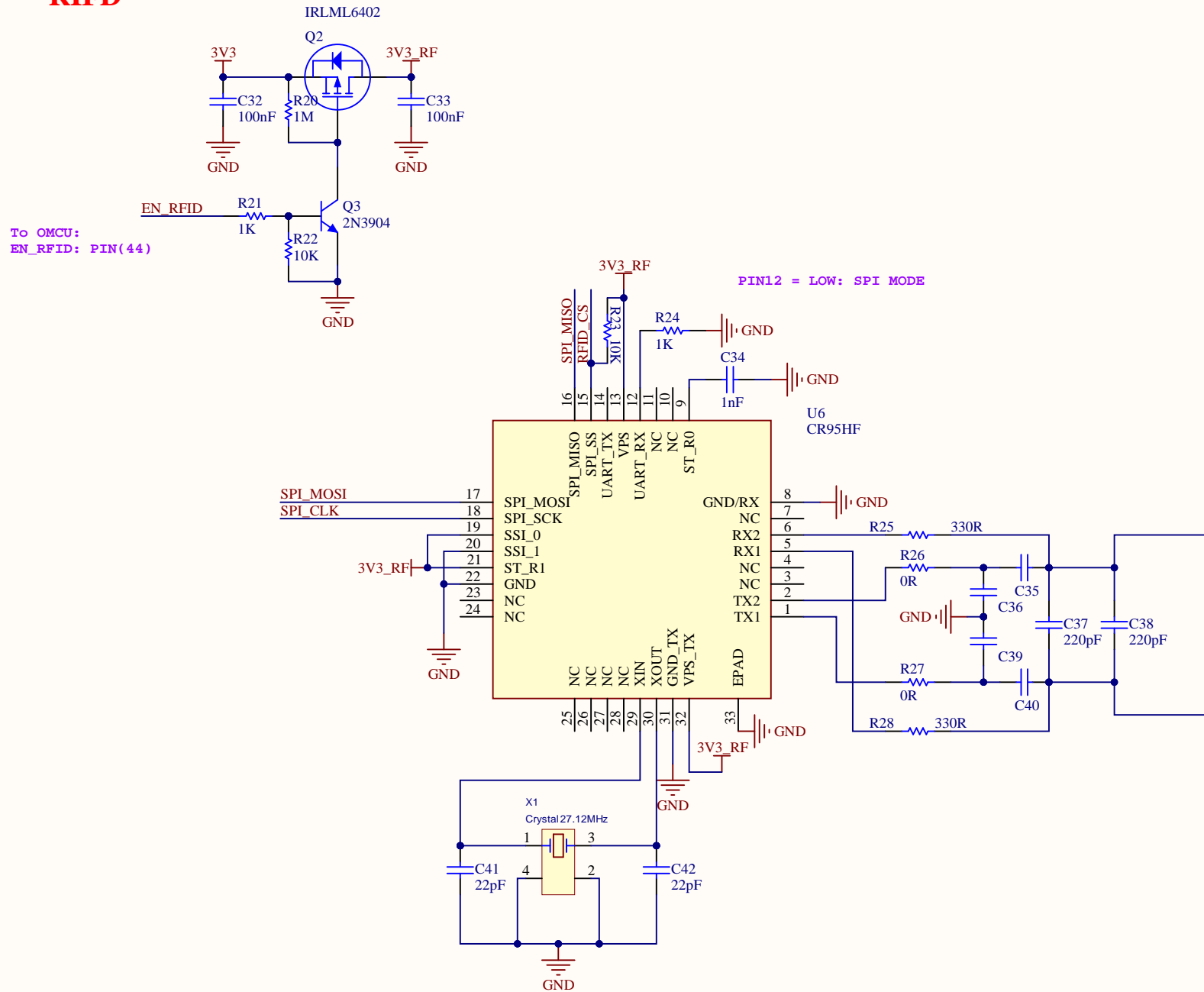
LOGIC CONVERT



SIMCARD

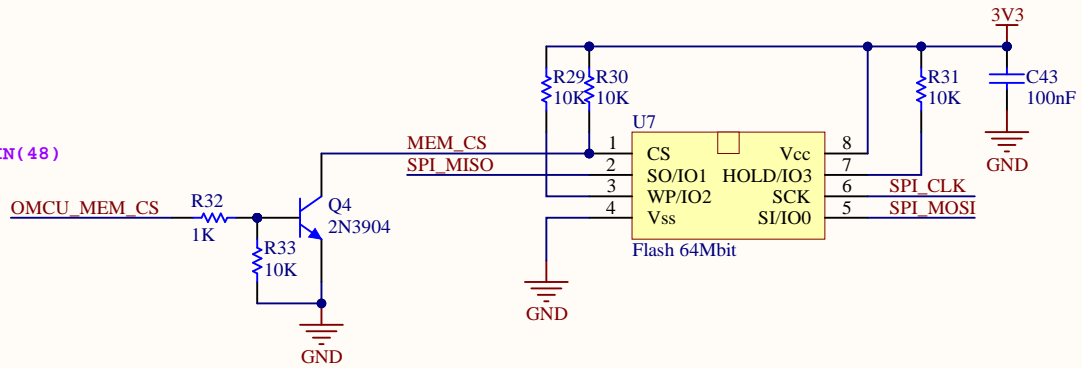


RIFD



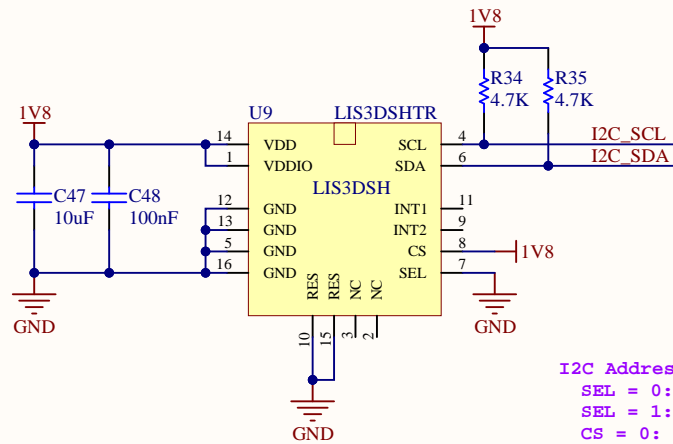
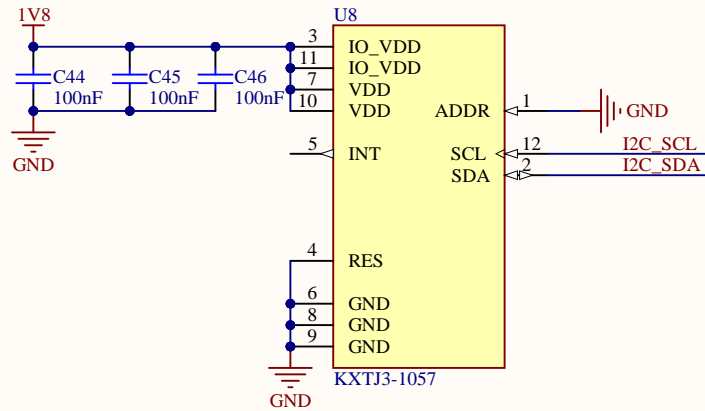
FLASH

To OMCU:
OMCU_MEM_CS: PIN(48)



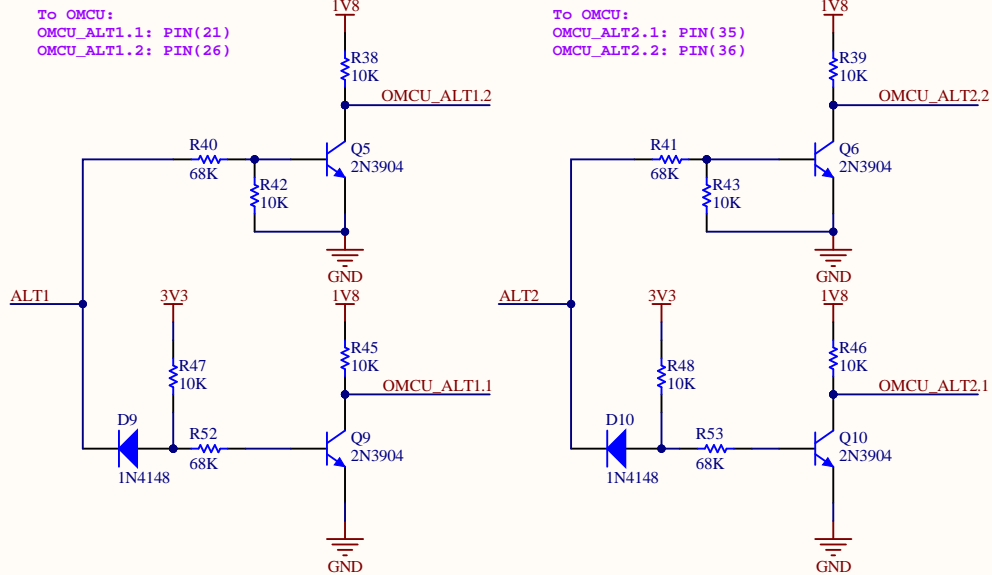
MOTION

Option

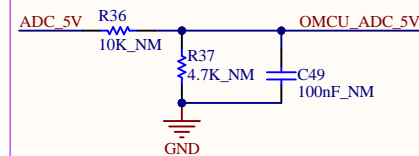


I2C Address:
SEL = 0: 0011110B
SEL = 1: 0011101B
CS = 0: I2C DISABLED
CS = 1: I2C ENABLED

PERIPHERAL

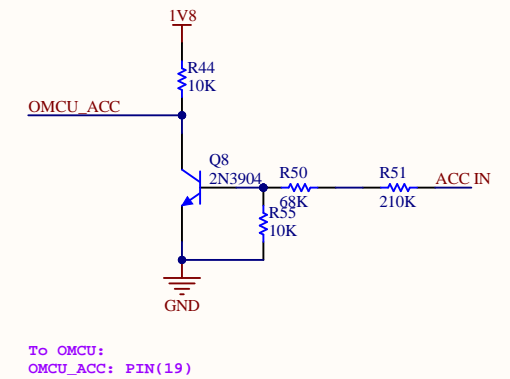
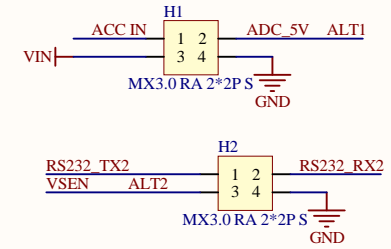
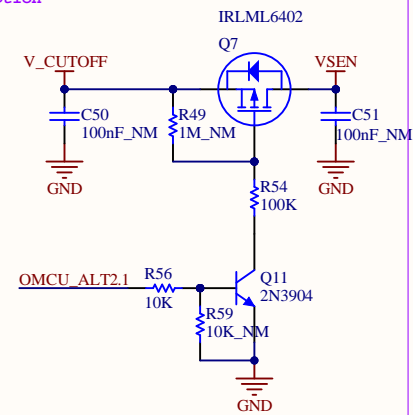


Option



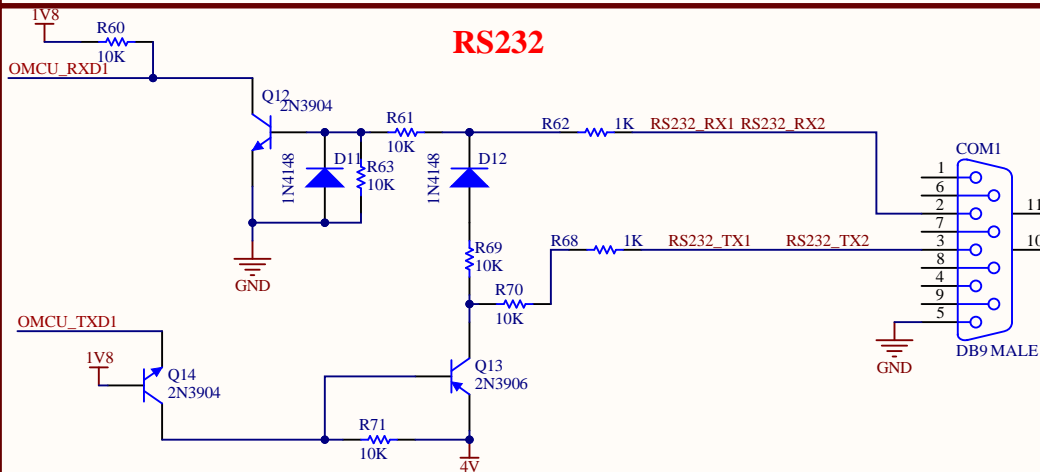
To OMCU:
OMCU_ADC_5V: PIN(51)
ADC Res: 0 - 1V8
Max input voltage: 5V

Option



To OMCU:
OMCU_ACC: PIN(19)

RS232



DISPLAY LED

To OMCU:
LED_GSM: PIN(4)
LED_MEM: PIN(5)
LED_GPS: PIN(7)
LED_DRI: PIN(8)

