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Version	Change Log						Page	Index
A	Ver 1.0.0	First release					1	COVER PAGE
	Ver 1.0.1	Thay IC nguồn MP9486					2	BLOCK DIAGRAM
	Ver 2.0	Sửa lỗi GPS không nạp được MCU (thêm cut-off GPS)					3
	Ver 3.0	Thêm 2 kênh OUTPUT có thể thay thế 2 kênh INPUT đang có					4
	Ver 4.0	Thay module ==> dùng cặp A7670E + L76-L					5
B	VNGS01 V1.0	Sử dụng antenna 25x25x4					6
		Sửa chân BOOT					7
		Thay MCU STM => GD					8
		Thay MCU + Module GSM + Moduyle GPS => Open MCU A7672S					9
		Anten GSM 2 Option: Anten PCB và Aten rời					10
C	VNGS01 V1.0	OpenMCU:	- Thay đổi Pin I/O: OMCU_ALT1 (26 => 21), OMCU_ALT2 (35 => 26), BUZZER (48 => 47),				11
		OMCU_AIR (36 => 35), OMCU_DOOR (44=> 36), EN_RFID (47 => 44), OMCU_MEM_CS (53 => 48),					12
		OMCU_RFID_CS (12 => 66)					13
		- Bỏ Pin I/O: NETLIGHT (52), SWITCH PWKEY					14
		- Thêm Pin I/O: I/O xác định phiên bản HW1: PIN 67, 68 (mức 0)					15
D	VNGS01 V1.1	- 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						
E	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)						
F	VNGS02 V1.2	Nap: 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							
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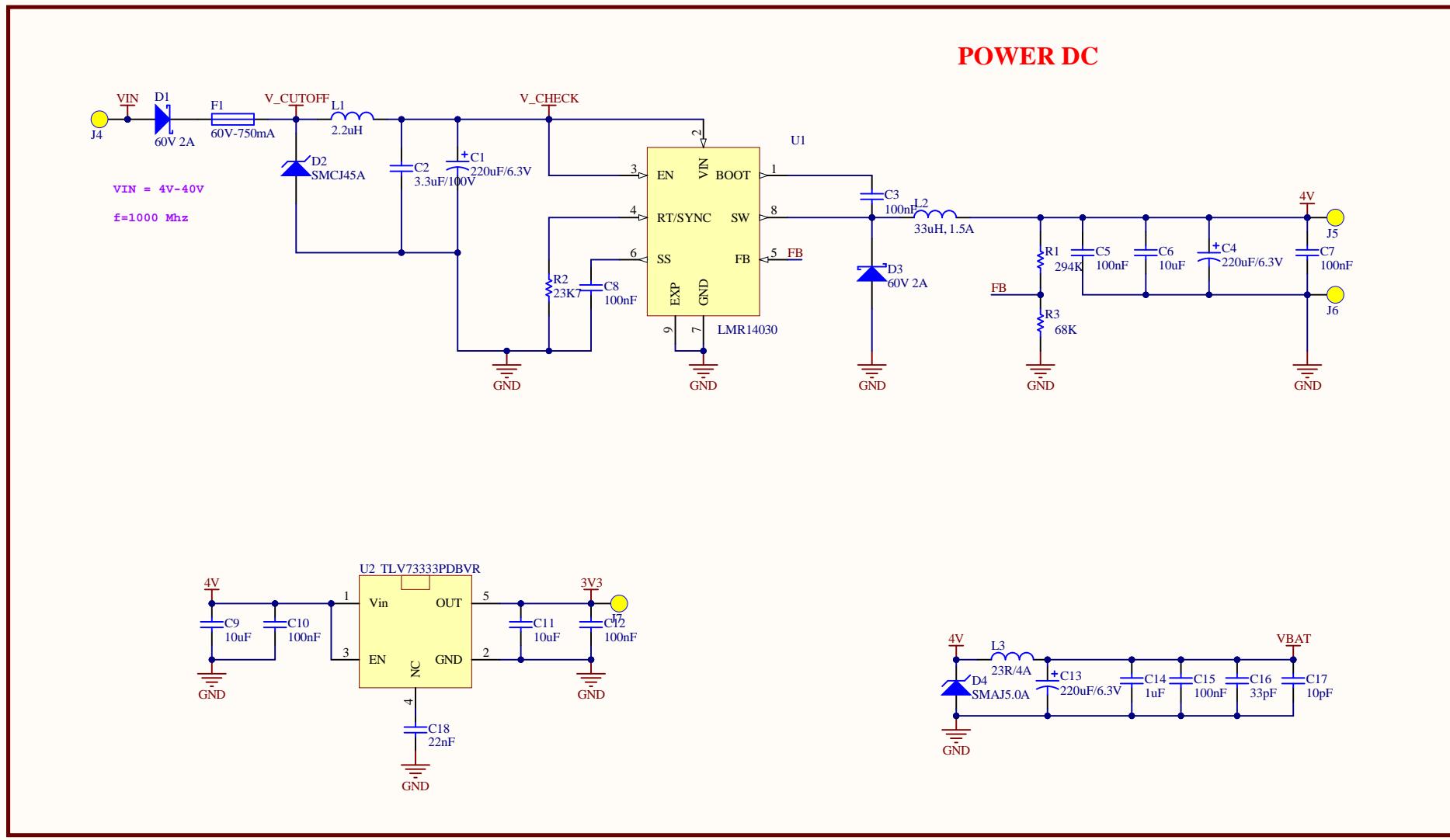
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VNETGPS

VNGS01 V1.1 (26/04/2022)



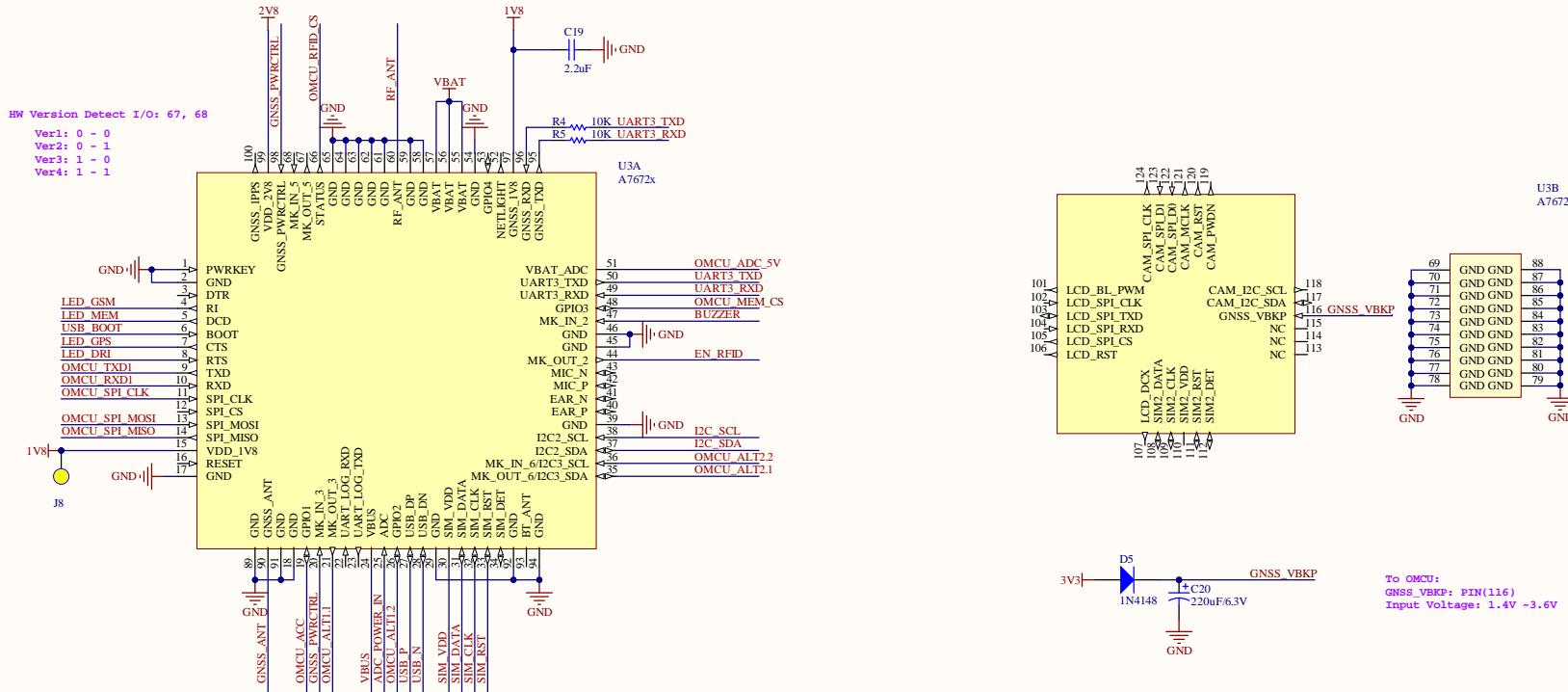
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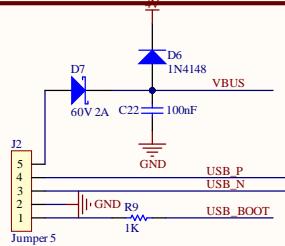
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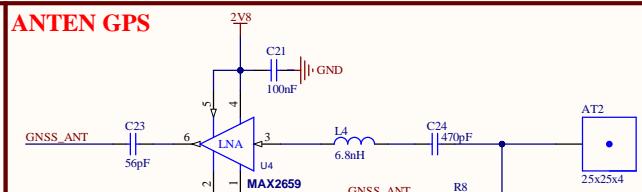
OPEN MCU



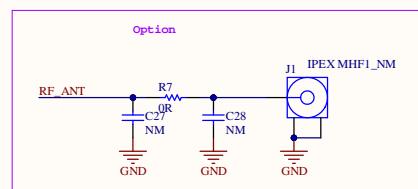
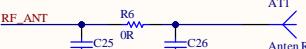
USB



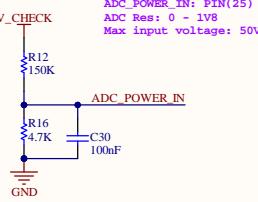
ANTEN GPS



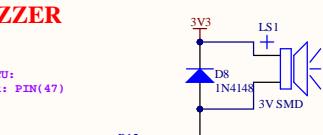
ANTEN GSM



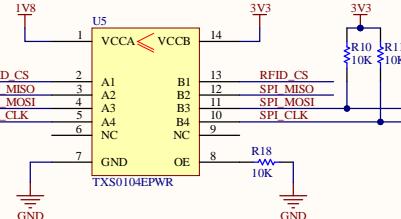
ADC POWER IN



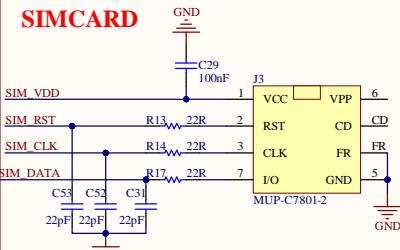
BUZZER



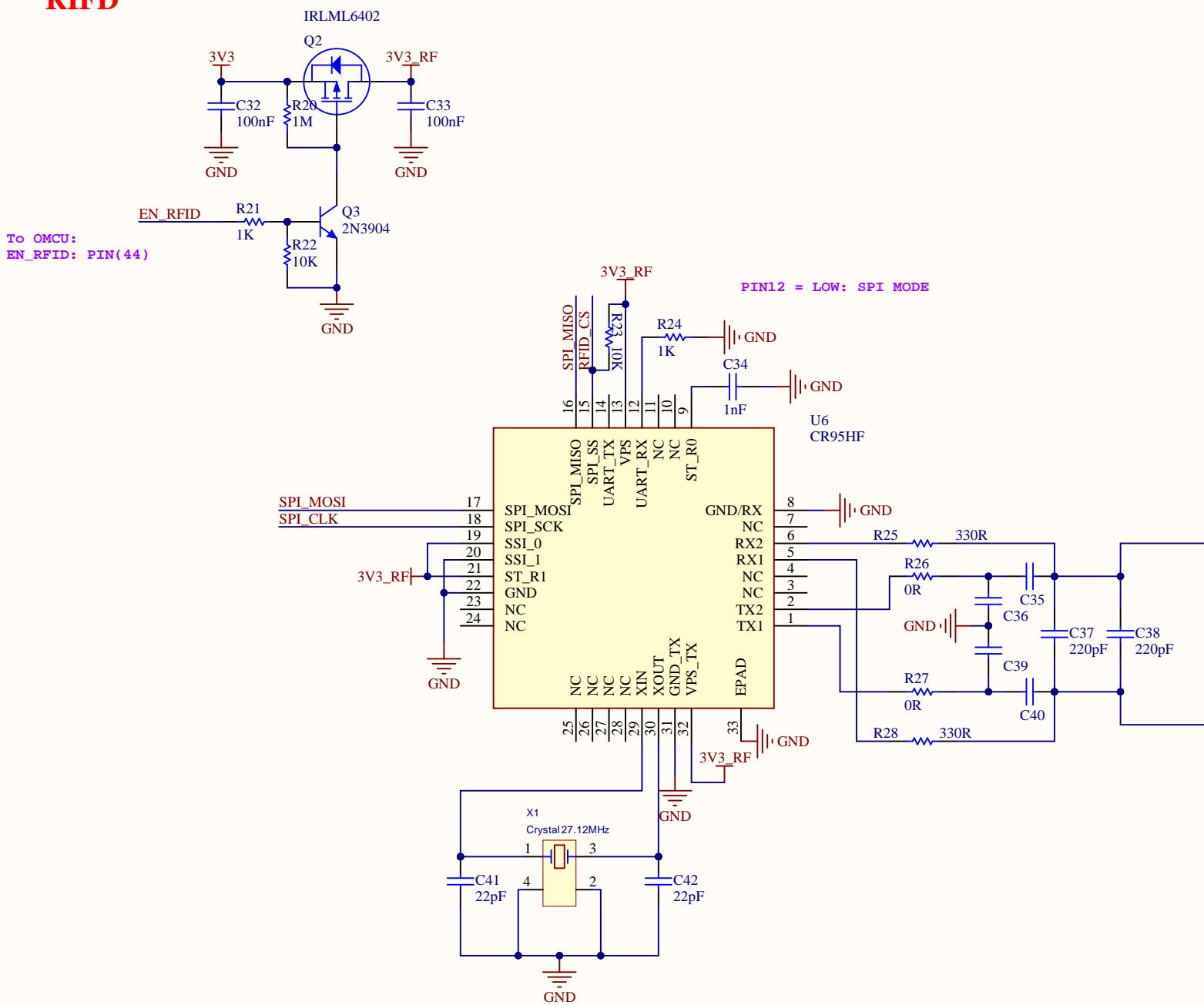
LOGIC CONVERT



SIMCARD

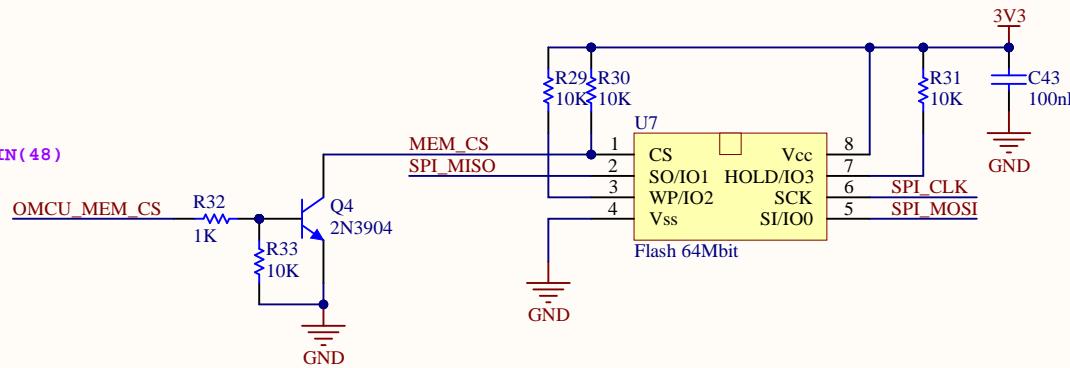


RIFD



FLASH

To OMCU:
OMCU_MEM_CS: PIN(48)



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MOTION

