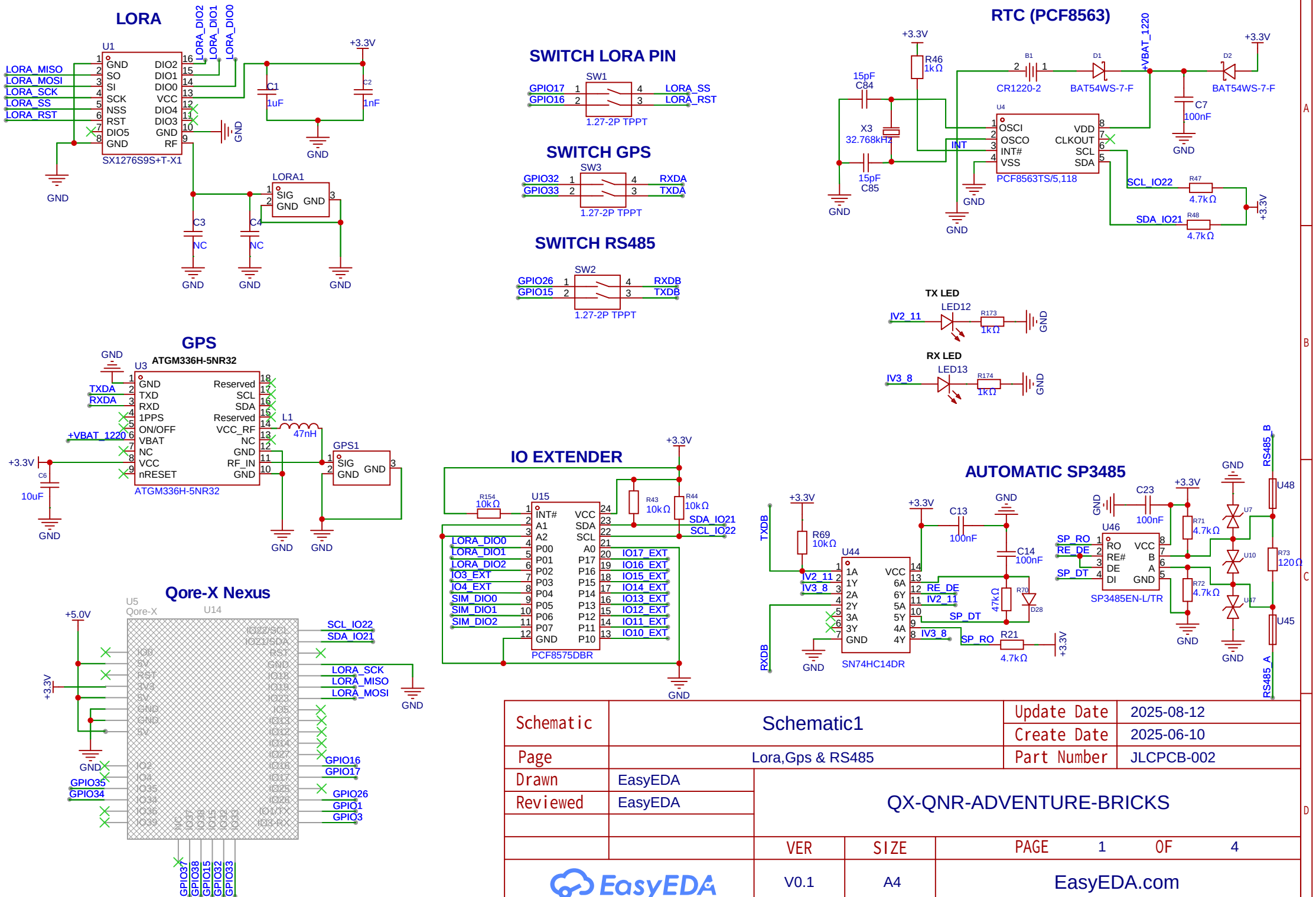
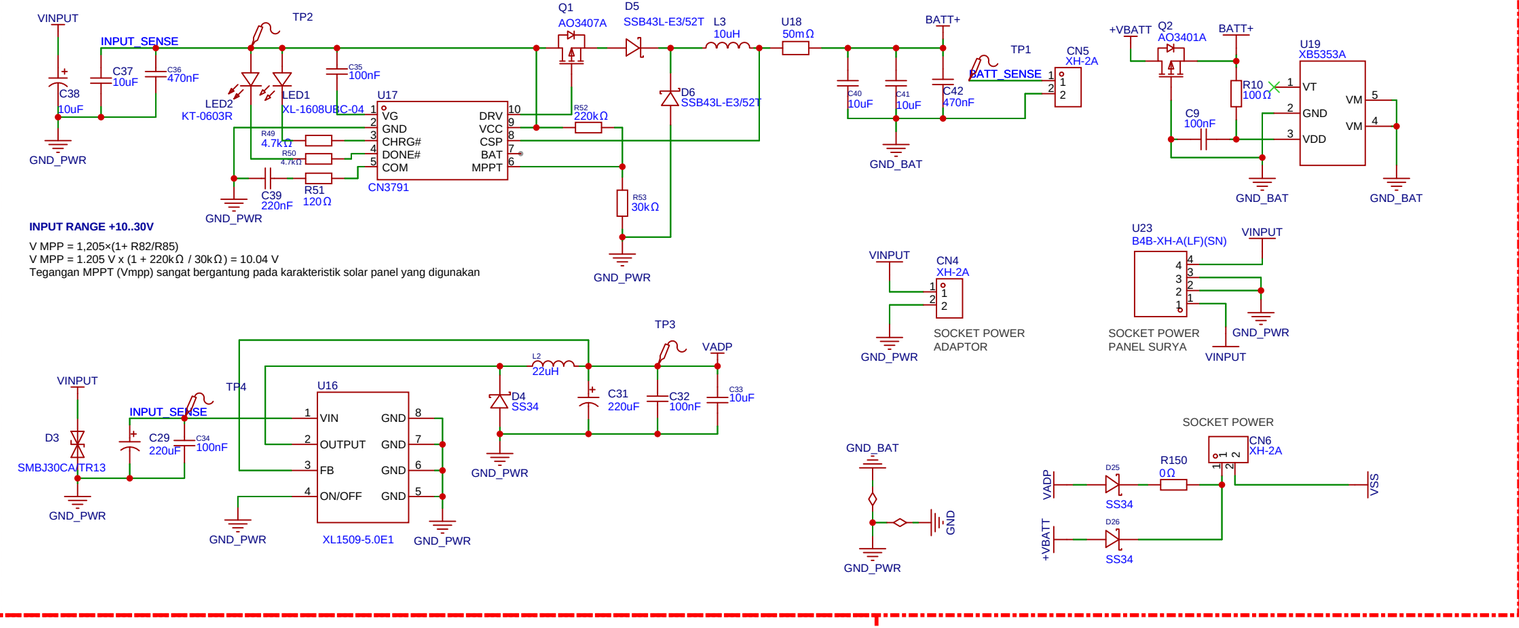
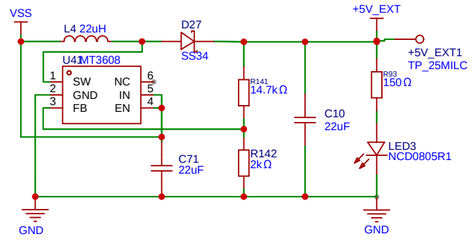


Schematic	Schematic1	Update Date	2025-08-12
		Create Date	2025-06-10
Page	Lora,Gps & RS485	Part Number	JLCPCB-002
Drawn	EasyEDA	QX-QNR-ADVENTURE-BRICKS	
Reviewed	EasyEDA		
		VER / SIZE / PAGE	V0.1 / A4 / 1 OF 4
EasyEDA		EasyEDA.com	

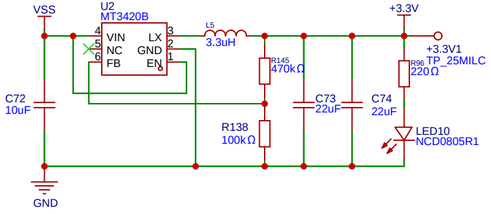
CHARGING AND POWER SYSTEM



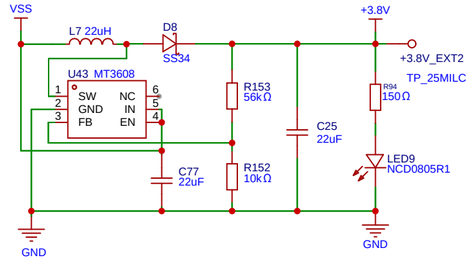
REGULATOR STEP-UP 5.0V EXT OUTPUT



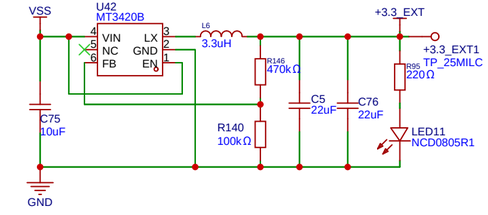
REGULATOR STEP-DOWN 3.3V OUTPUT



REGULATOR STEP-UP 3.8V EXT OUTPUT

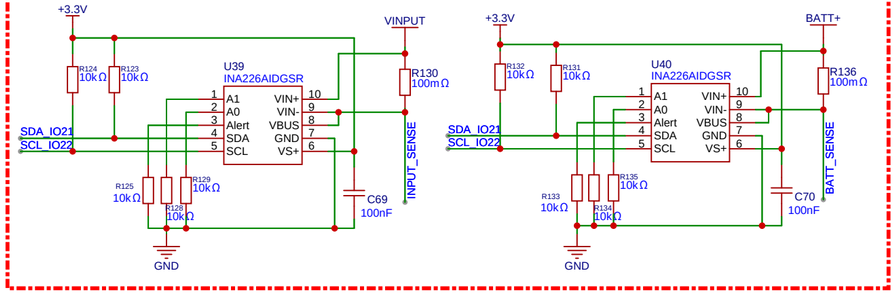


REGULATOR STEP-DOWN 3.3V OUTPUT EXT

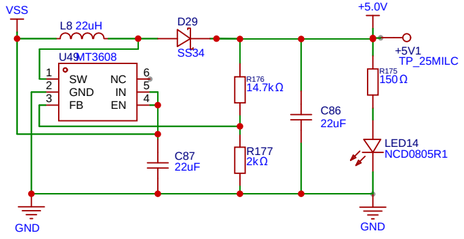


STEP-UP EXTERNAL SETTING FEEDBACK OUTPUT

3.8V (Default)= R1: 56K, R2: 10K
5V = R1: 14.7K, R2: 2K
12V = R1: 200K, R2: 10K
15V = R1: 75K, R2: 10K



REGULATOR STEP-UP 5.0V OUTPUT



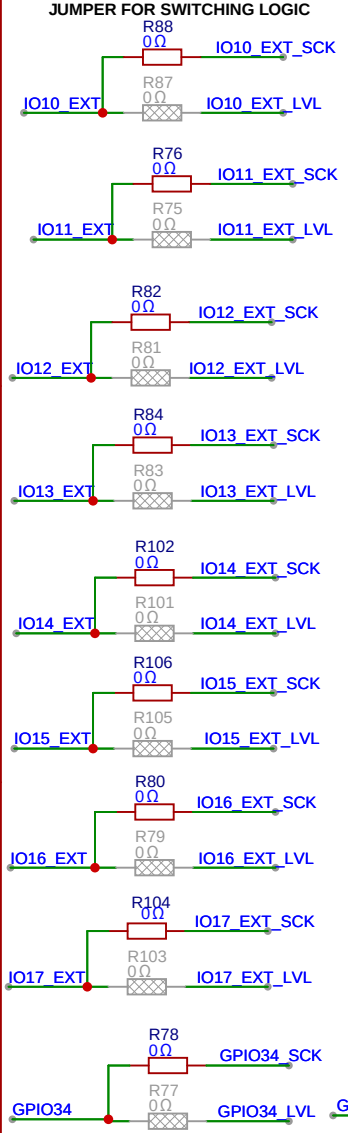
Schematic	Schematic1	Update Date	2025-07-29
		Create Date	2025-06-10
Page	charging & power	Part Number	JLCPCB-002
Drawn	EasyEDA	QX-QNR-ADVENTURE-BRICKS	
Reviewed	EasyEDA		
		VER / SIZE / PAGE	V0.1 / A4 / 2 OF 4
EasyEDA		EasyEDA.com	

NOTED:

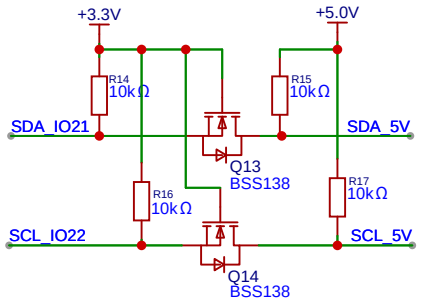
- Pada saat routing Test-point dan led berada di Top-layer semua
- Validasikan Input sense dan Battery sense agar tidak terjadi kesalahan routing
- Validasikan lagi NET pada XB5353 agar proteksi berjalan dengan benar.

LEVEL SHIFTER CIRCUIT

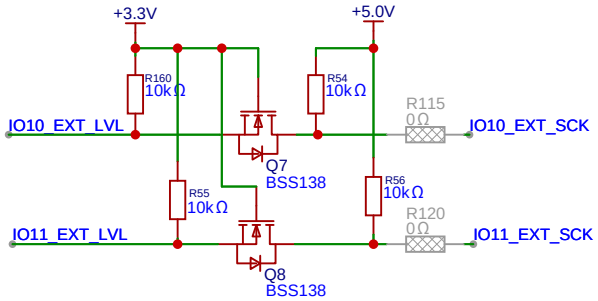
JUMPER FOR SWITCHING LOGIC

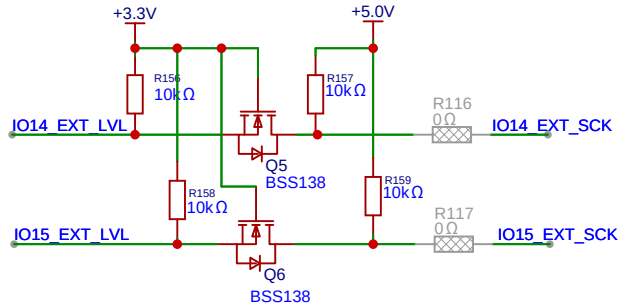


LEVEL SHIFTER FOR I2C

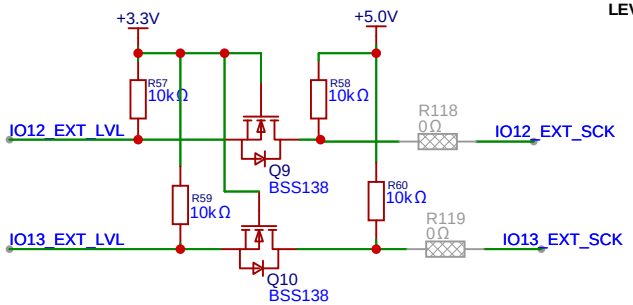


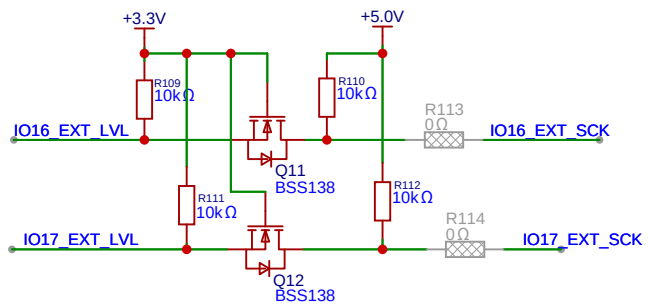
LEVEL SHIFTER FOR IO EXTENDER



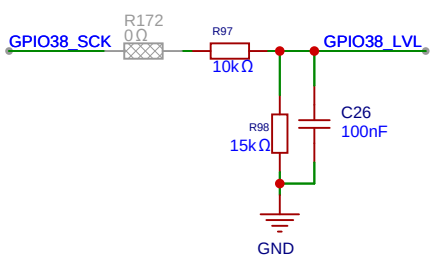


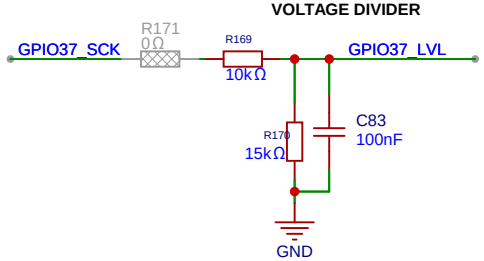
LEVEL SHIFTER FOR IO EXTENDER

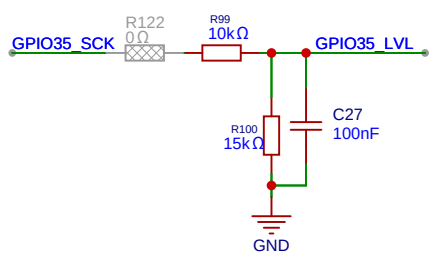


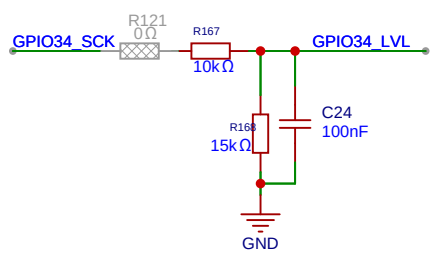


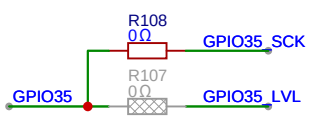
VOLTAGE DIVIDER

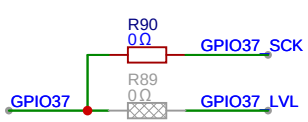


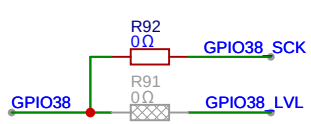






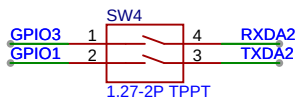




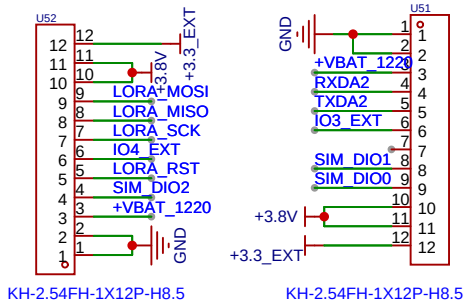


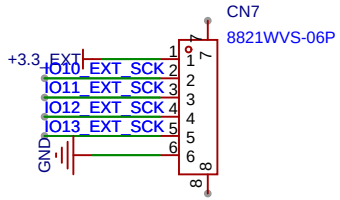
Schematic	Schematic1	Update Date	2025-07-11
		Create Date	2025-06-10
Page	Lever Shifter Circuit	Part Number	JLCPCB-002
Drawn	EasyEDA	QX-QNR-ADVENTURE-BRICKS	
Reviewed	EasyEDA		
		VER / SIZE / PAGE	V0.1 / A4 / 3 OF 4
EasyEDA		EasyEDA.com	

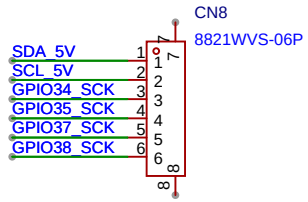
SWITCH FOR SIM7000

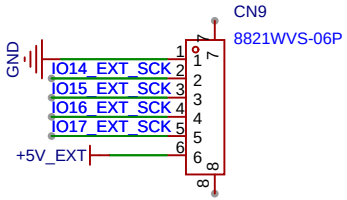


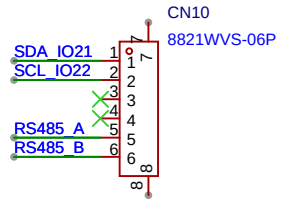
HEADER SIM7000 + PORT OUT











Schematic	Schematic1	Update Date	2025-08-06
		Create Date	2025-06-19
Page	Port Out & SIM Port	Part Number	JLCPCB-002
Drawn	EasyEDA	QX-QNR-ADVENTURE-BRICKS	
Reviewed	EasyEDA		
		VER	SIZE	PAGE 4 OF 4
EasyEDA		V0.1	A4	EasyEDA.com