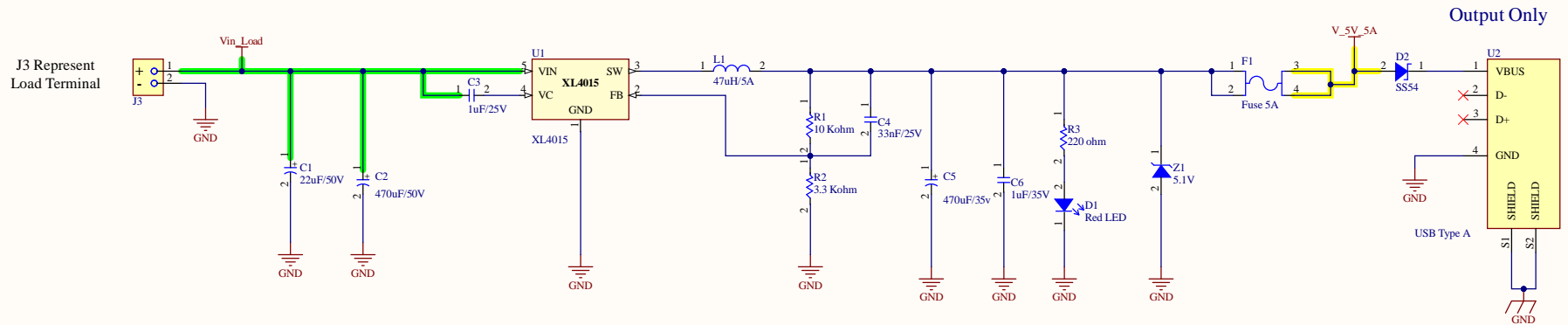
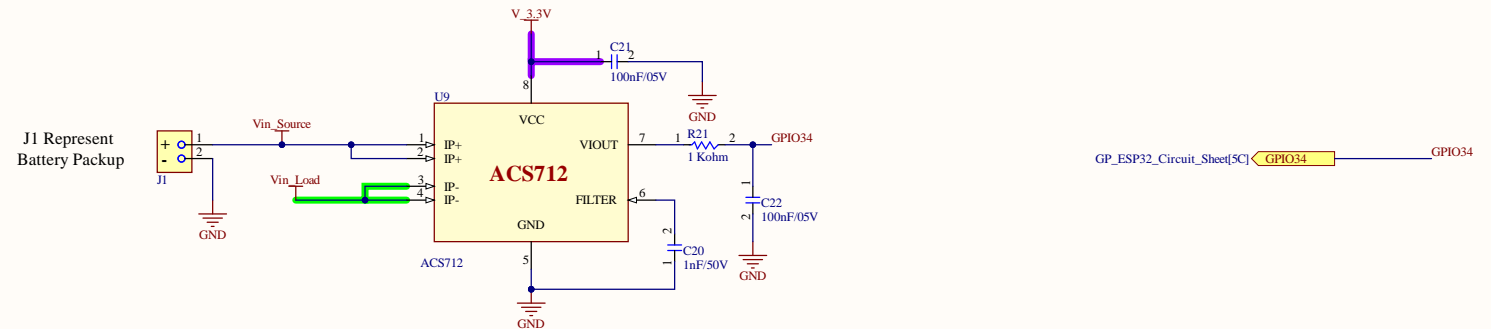


Power Circuit (Step Down Converter)

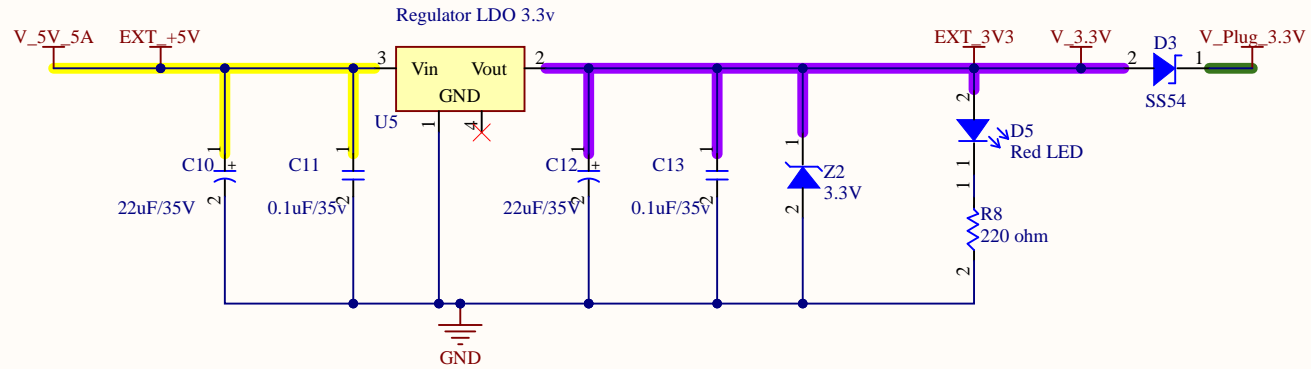


ACS712 (5A)



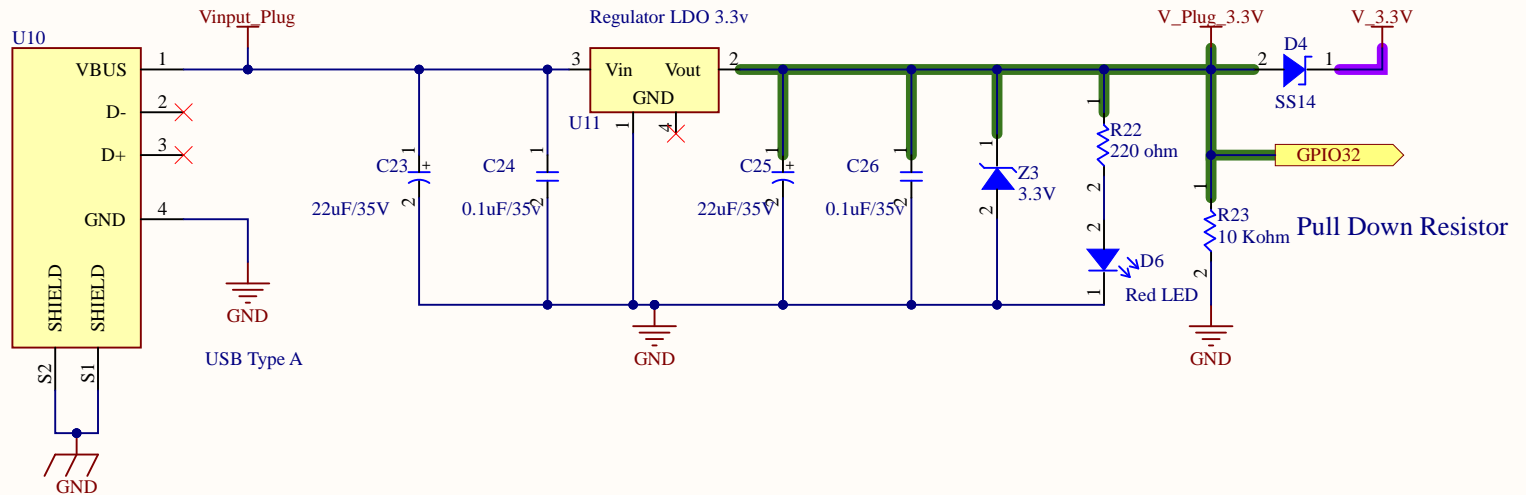
Title	Graduation Project Power Circuit Buck		
Size B	Number	Sheet 1	
Date:	6/02/2025	Sheet of	Abdelrahman Khaled Sobhi
File:	S:\CCEP\GP_Power_Circuit_Sheet_Sobhi	Drawn By:	Abdelrahman Khaled Sobhi

Power Circuit (LDO)



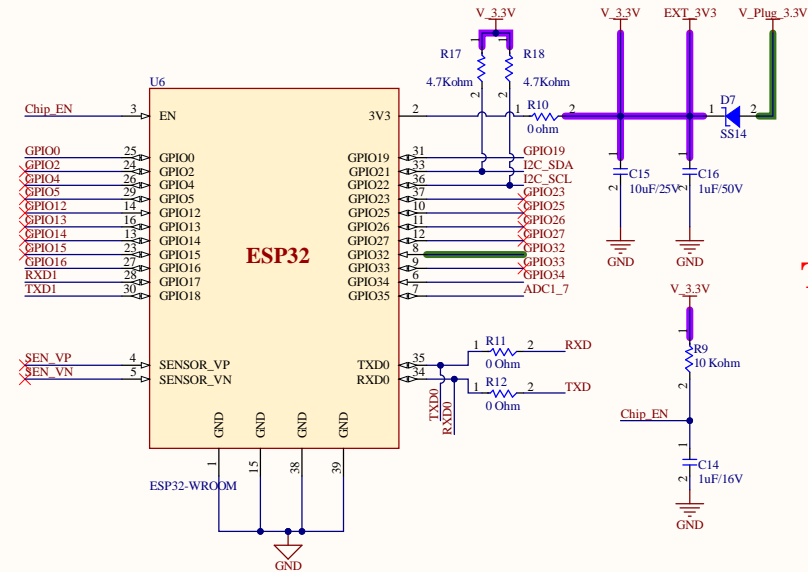
Charging Plug

Input Only

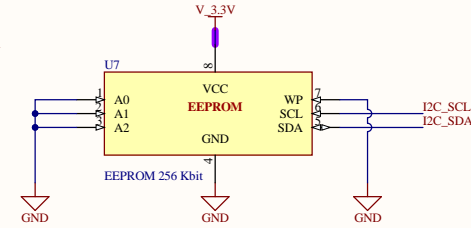


Title			Graduation Project Power Circuit LDO
Size	Number	Revision	
A		Sheet 2	
Date:	6/02/2025	Sheet of	
File:	S:\CCEP\...\GP_LDO_Circuit_Sheet.SchDoc	Drawn By:	Abdelrahman Khaled Sobhi

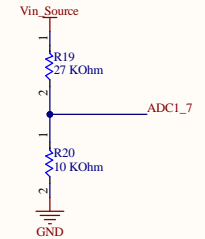
ESP32 Microcontroller Circuit



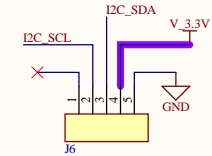
EEPROM (256Kbit)



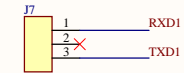
Voltage Sensor



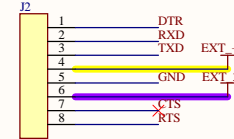
RTC



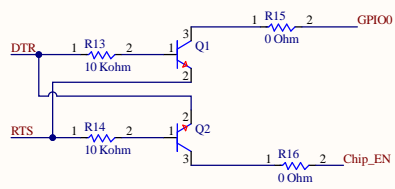
UART 1



TTL Converter Header



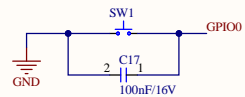
ESP32 Microcontroller Circuit



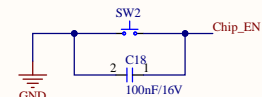
Auto program

DTR	RTS	EN	IO0
1	1	1	1
0	0	1	1
1	0	0	1
0	1	1	0

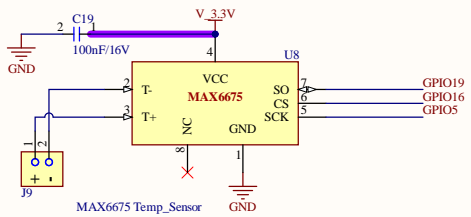
Bootting SW



Reset SW



Temperature Sensor (MAX6675)



Title			Graduation Project ESP32 Circuit	
Size	Number	Sheet 3		Revision
B				Abdelrahman Khaled Sobhi
Date:	6/02/2025	Sheet of		
File:	S:\CCEP\GP ESP32_Circuit_Sheet_Sobhi	Drawn By:	Abdelrahman Khaled Sobhi	