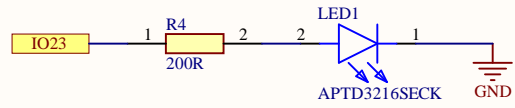
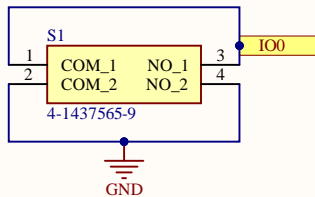


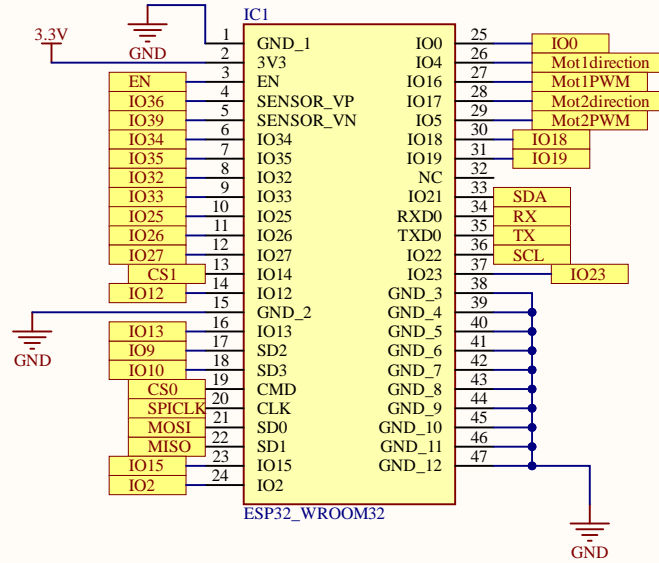
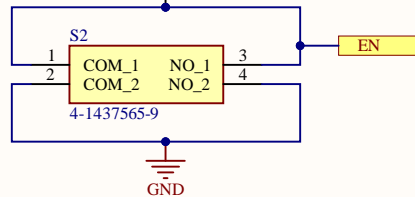
Status LED



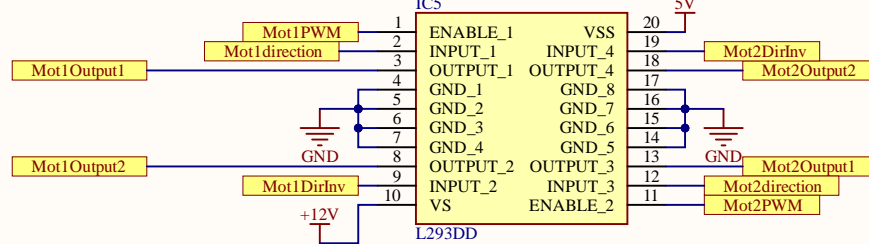
BOOT



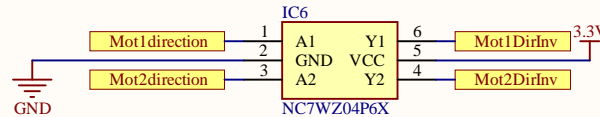
RESET



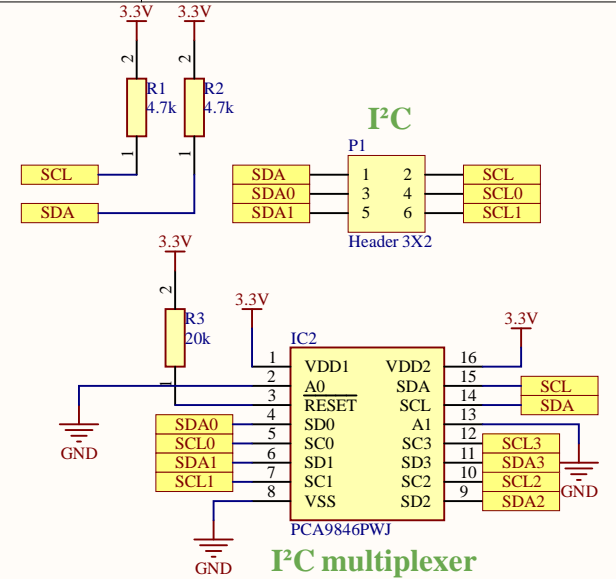
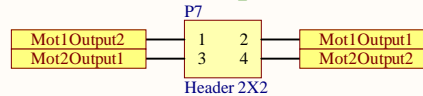
Motor driver



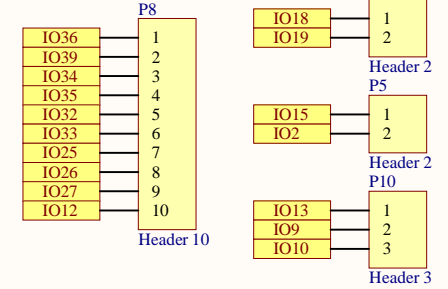
Motor inverter



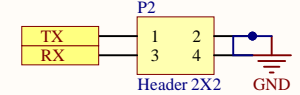
Motor pins



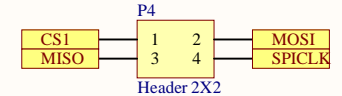
ESP pins



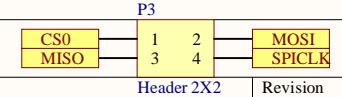
UART



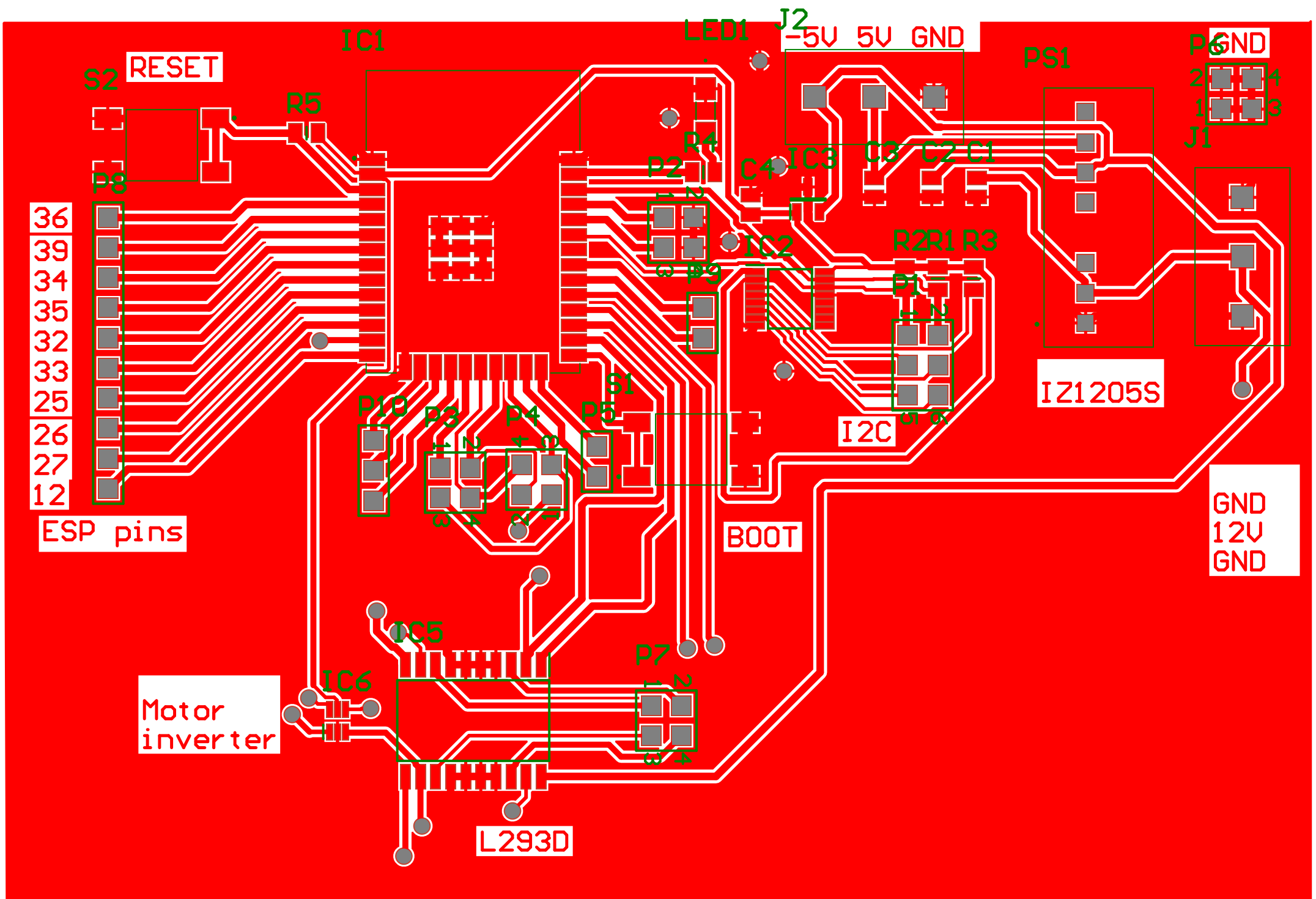
SPI1



SPI0



Title		Revision	
Size	Number	Revision	
A4			
Date:	6/01/2021	Sheet of	
File:	C:\Users\...\SheetESP.SchDoc	Drawn By:	



RESET

-5V 5V GND

GND

36
39
34
35
32
33
25
26
27
12

ESP pins

IZ1205S

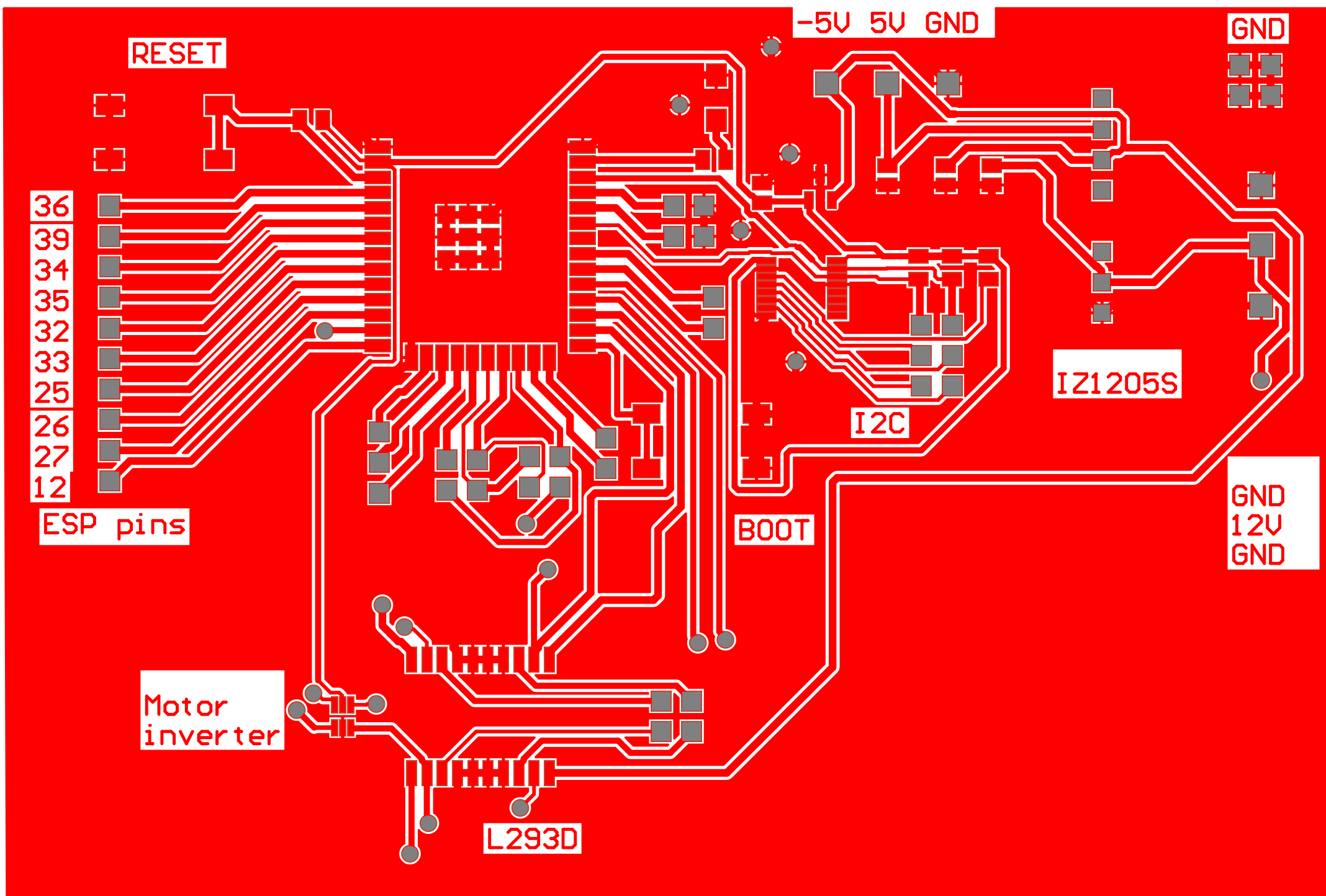
I2C

BOOT

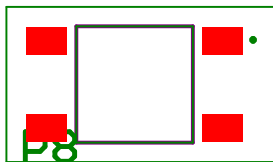
GND
12V
GND

Motor
inverter

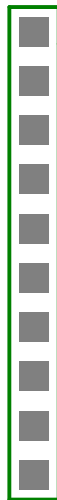
L293D



S2



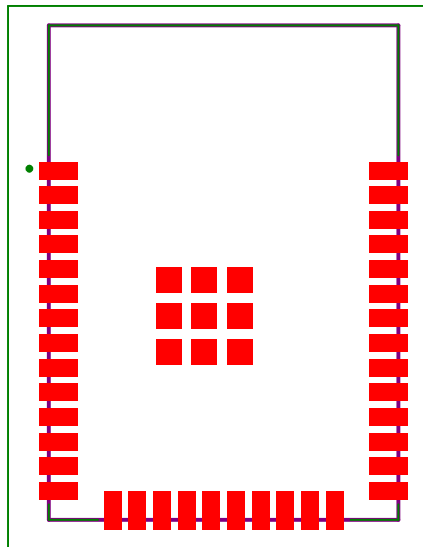
P8



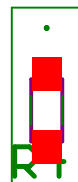
R5



IC1



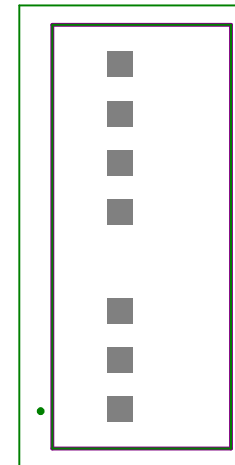
LED1



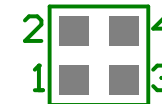
J2



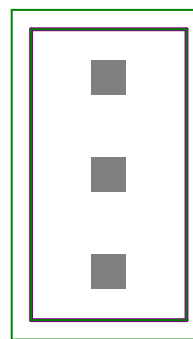
PS1



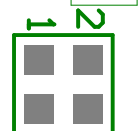
P6



J1



P2



R1



C4



IC3



C3



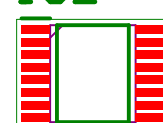
C2



C1



IC2



R2



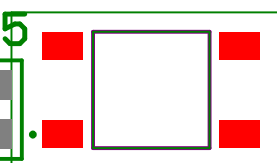
R1



R3



S1



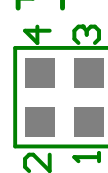
P10



P3



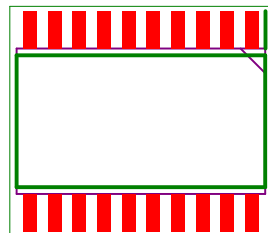
P4



P5



IC5

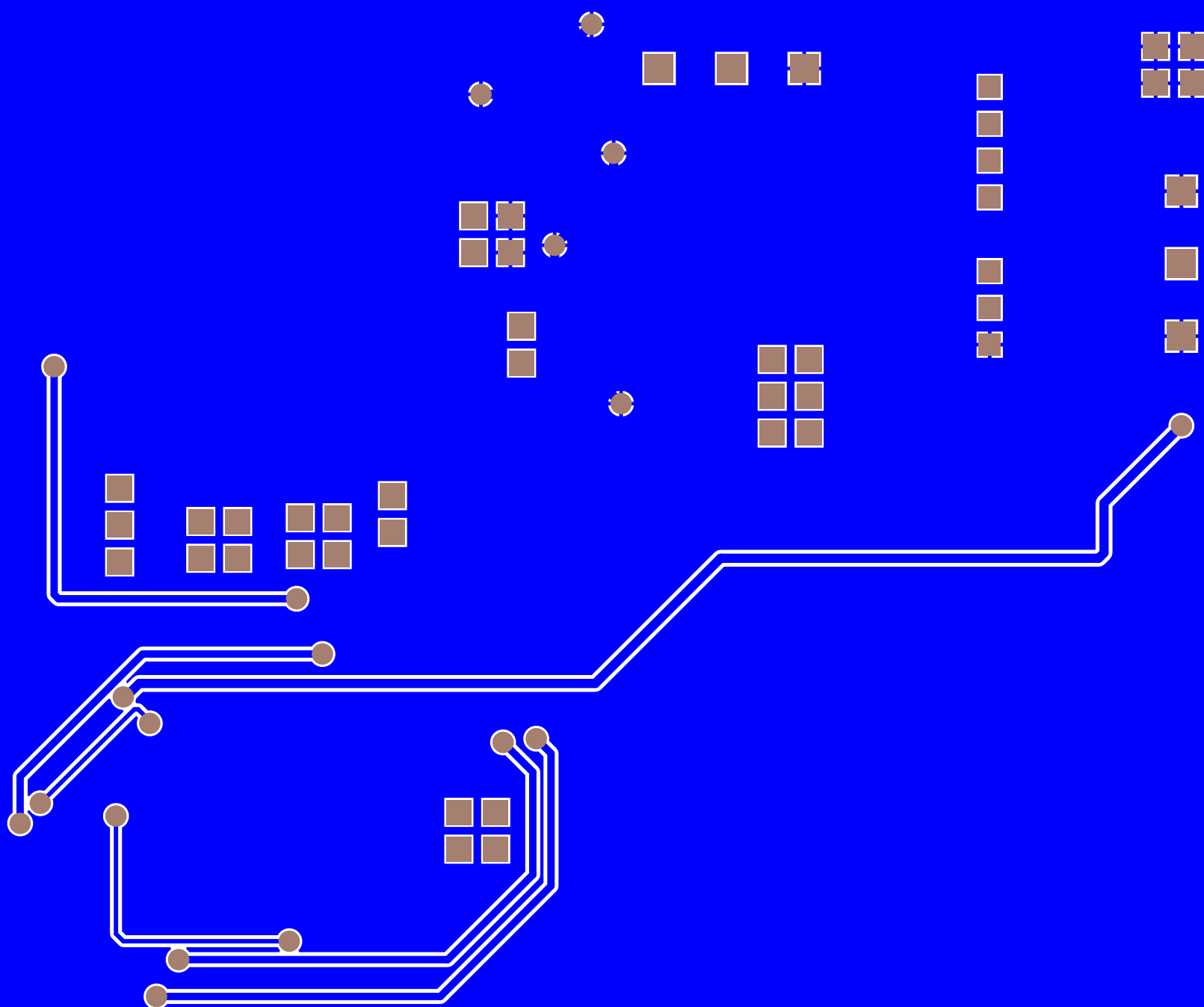


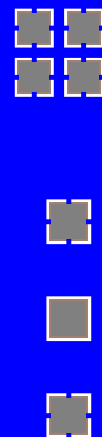
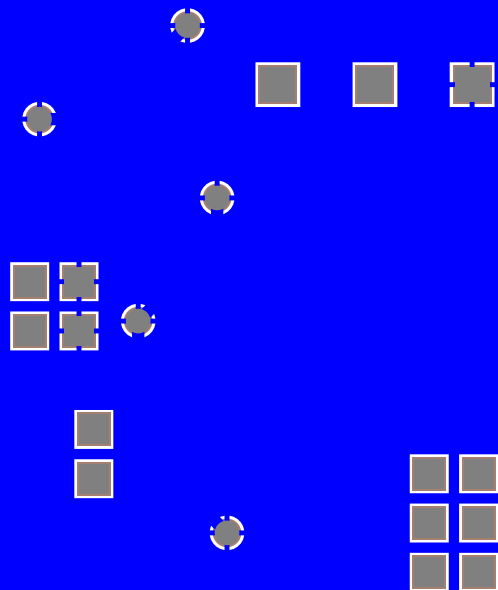
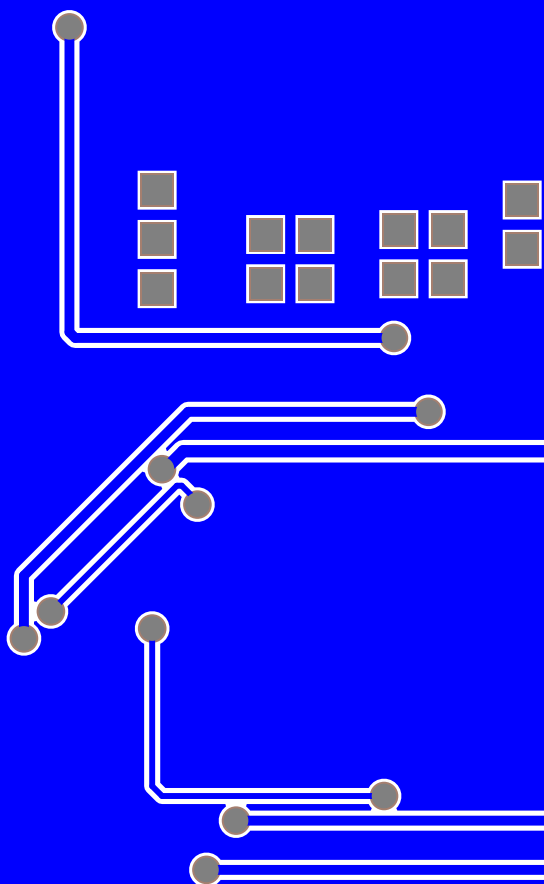
IC6

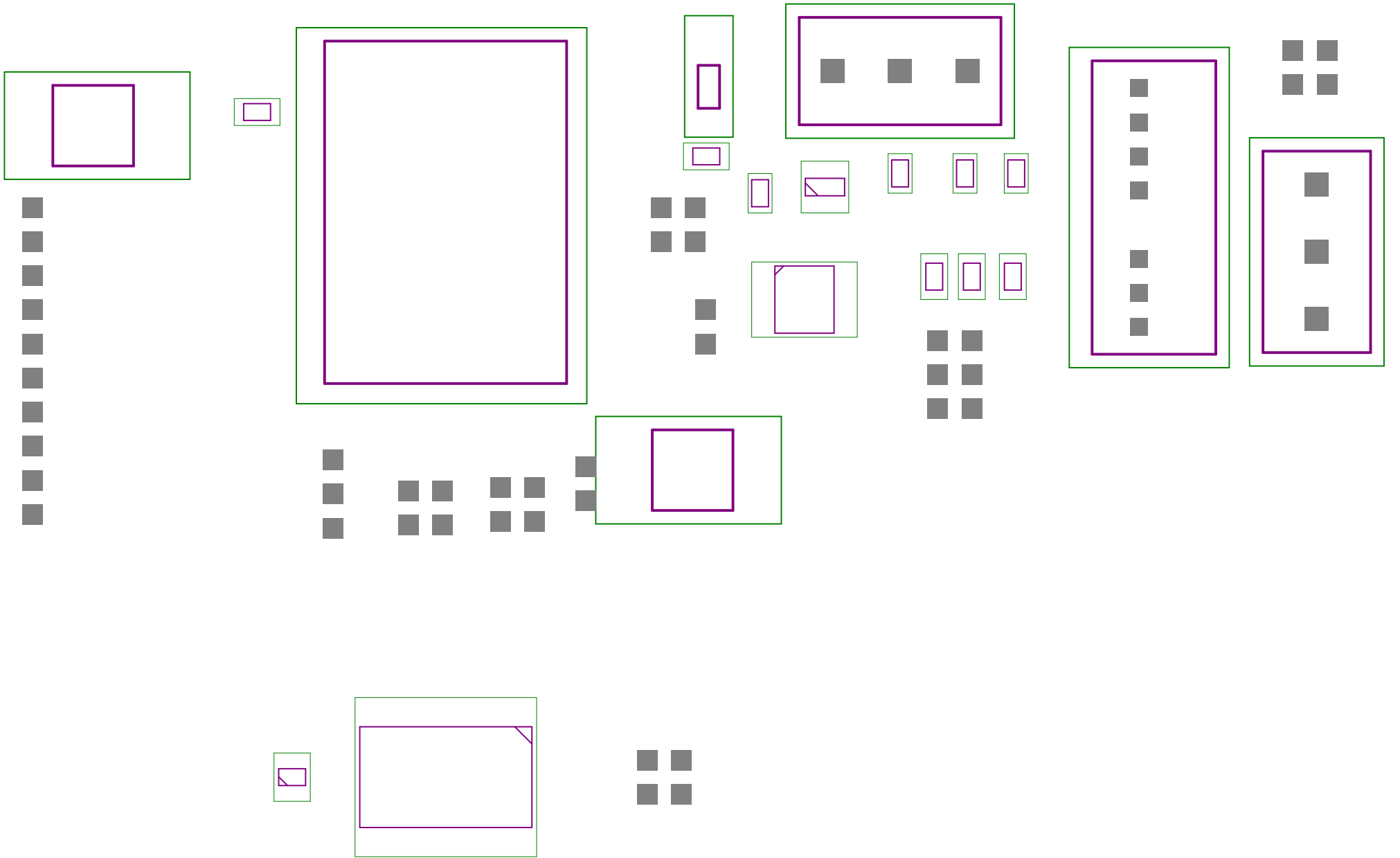


P7









Comment	Description	Designator	Footprint	LibRef	Quantity
100nF	Capacitor	C1, C2, C3, C4	CAPC2012X94N	08055A130JAT2A	4
ESP32_WROOM32	Integrated Circuit	IC1	ESP32WROOM32	ESP32_WROOM32	1
PCA9846PWJ	Integrated Circuit	IC2	SOP65P640X110-16N	PCA9846PWJ	1
LM3480IM3-3.3	Integrated Circuit	IC3	SOT95P237X112-3N	LM3480IM3-3.3	1
L293DD	Integrated Circuit	IC5	SOIC127P1032X265-20N	L293DD	1
NC7WZ04P6X	Integrated Circuit	IC6	SOT65P210X110-6N	NC7WZ04P6X	1
20.500M_3	Connector	J1, J2	20500M3	20.500M_3	2
APTD3216SECK	LED	LED1	APTD3216SECK	APTD3216SECK	1
Header 3X2	Header, 3-Pin, Dual row	P1	HDR2X3	Header 3X2	1
Header 2X2	Header, 2-Pin, Dual row	P2, P3, P4, P6, P7	HDR2X2	Header 2X2	5
Header 2	Header, 2-Pin	P5, P9	HDR1X2	Header 2	2
Header 10	Header, 10-Pin	P8	HDR1X10	Header 10	1
Header 3	Header, 3-Pin	P10	HDR1X3	Header 3	1
IZ1205S	Power Supply	PS1	IZ1205S	IZ1205S	1
4.7k	Resistor	R1, R2	RESC2012X65N	CRG0805F100K	2
20k	Resistor	R3	RESC2012X65N	CRG0805F100K	1
200R	Resistor	R4	RESC2012X65N	CRG0805F100K	1
10k	Resistor	R5	RESC2012X65N	CRG0805F100K	1
4-1437565-9	Switch	S1, S2	414375659	4-1437565-9	2