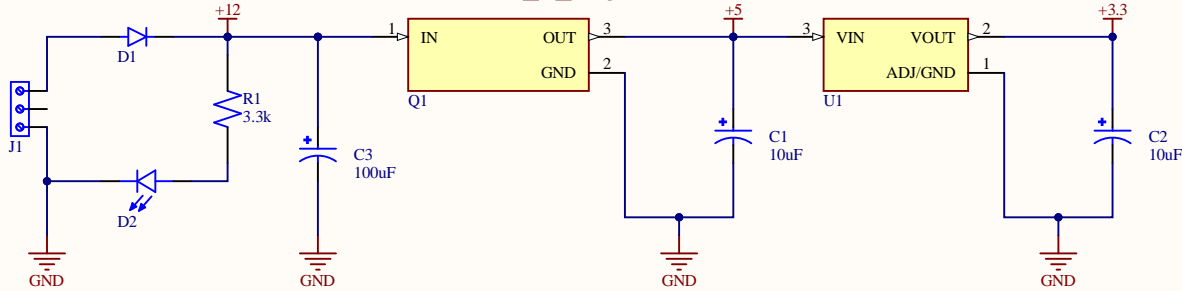
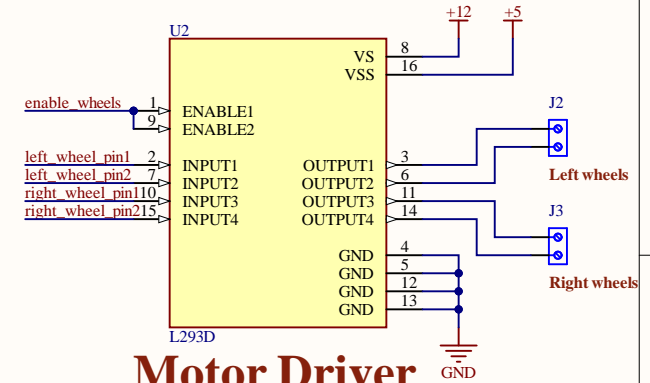


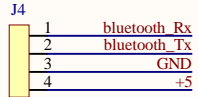
## Power Supply UNIT



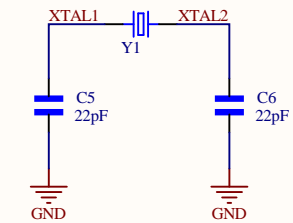
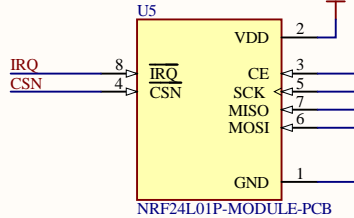
## Motor Driver



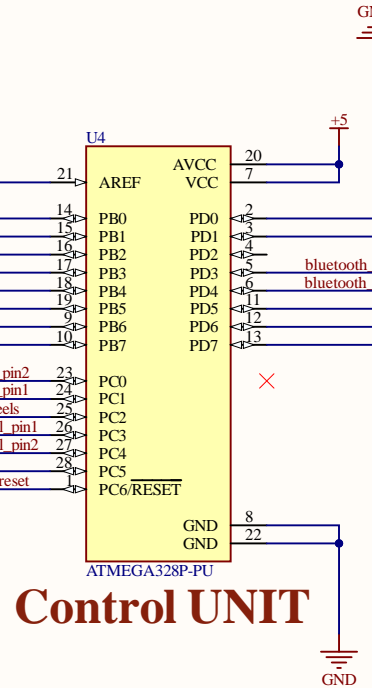
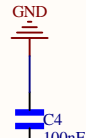
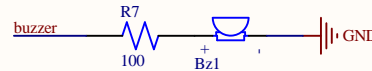
## Bluetooth



## NRF24I01

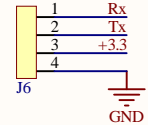


## Oscillator circuit

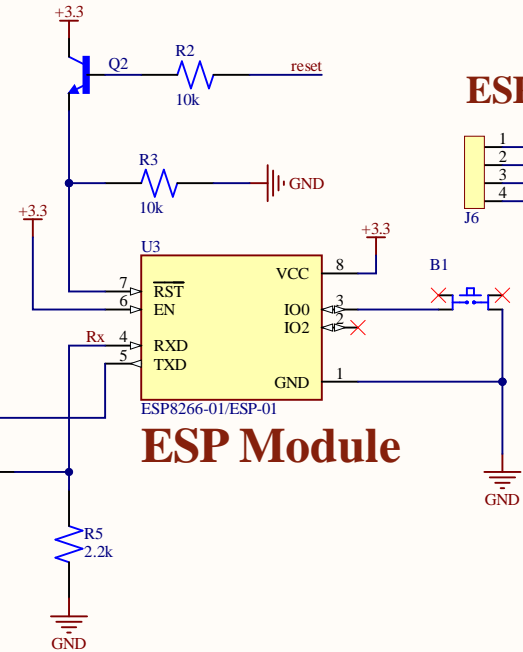


## Control UNIT

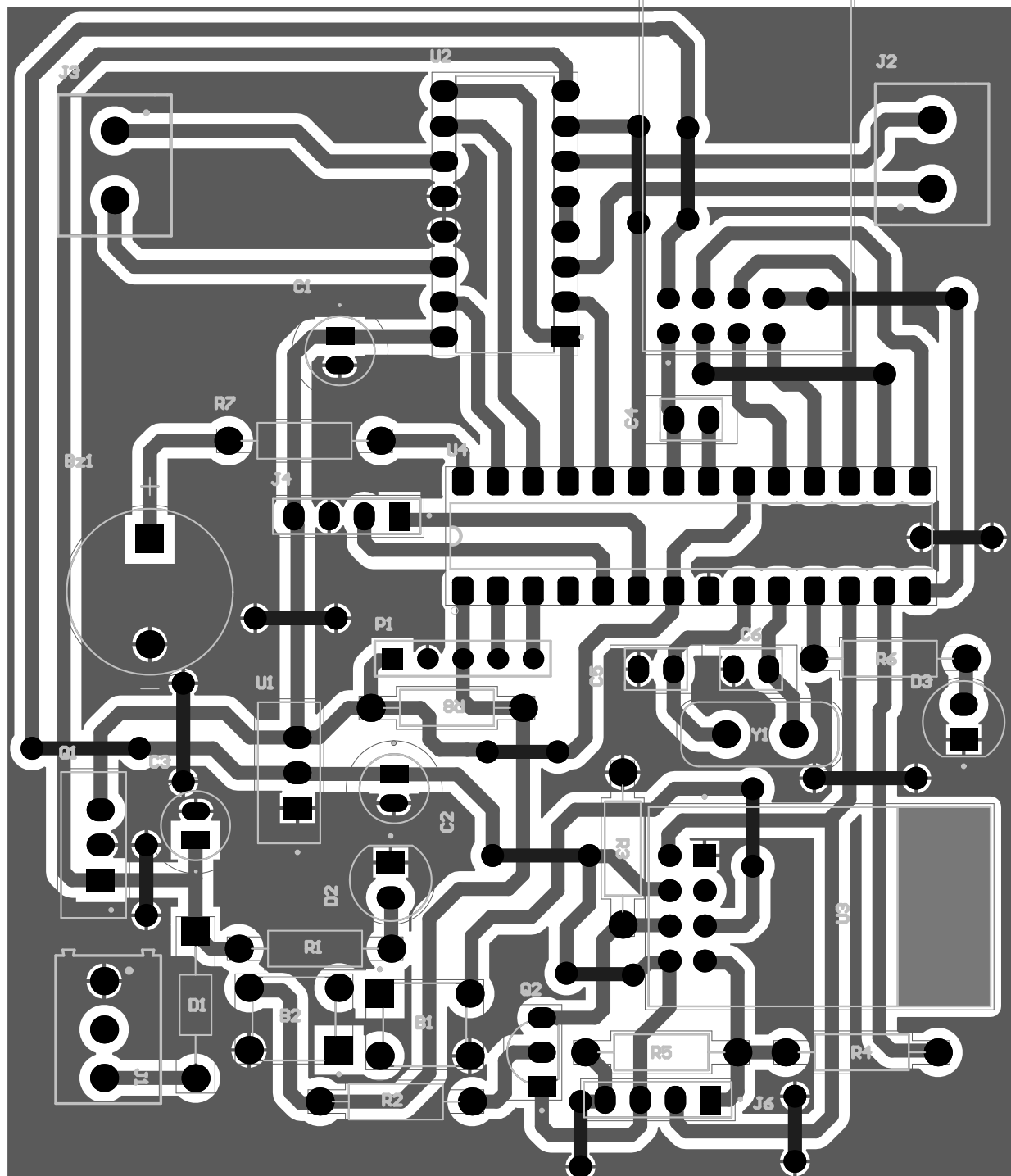
## ESP Prog.



## ESP Module



Title		
Size	Number	Revision
A4		
Date:	4-08-2023	Sheet of
File:	C:\Users\...\schematic.SchDoc	Drawn By:



Comment	Description	Designator	Footprint	LibRef	Quantity
Push button		B1, B2	SW_1502-46-95-BK-260-LCR-D	Push button	2
AI-1223-TWT-12V-R	ELECTRO-MECHANICAL AUDIO INDICATOR	Bx1	XDOR_AI-1223-TWT-12V-R	Buzzer	1
10uF	FS-A	C1, C2	CAPPRD500W50D500H100	Electrolytic capacitor	2
100uF	FS-A	C3	CAPPRD500W50D500H100	Electrolytic capacitor	1
100nF	2200 pF A±10% 250V Ceramic Capacitor X7R Radial	C4	CAPRB500W50L450T300H50	Ceramic capacitor	1
22pF	2200 pF A±10% 250V Ceramic Capacitor X7R Radial	C5, C6	CAPRB500W50L450T300H50	Ceramic capacitor	2
1N4007	Diode Switching 1KV 1A 2-Pin DO-41	D1	DIODAD1060W70L435D230	Diode	1
08R5000Q1	LED, Orange, Through Hole, 1-1 3/4 (5mm), 30 mA, 2.1 V, 635 nm	D2, D3	LEDRD254W570500H1070	LED	2
691214110003	3 Position Wire to Board Terminal Block Horizontal with Board 0.138 (3.50mm) Through Hole	J1	691214110003	Terminal blocks - 3Pins (Small)	1
691111710002	2 Position Wire to Board Terminal Block Horizontal with Board 0.197_5.00mm_ Through Hole	J2, J3	691111710002	Terminal Block - 2Pins	2
PPTC041LFBN-RC	4 Position Header Connector Through Hole	J4, J6	SULLINS_PPTC041LFBN-RC	Female header - 4Pins	2
Header 5	Header, 5-Pin	P1	HDR1X5	Header 5	1
5V Regulator		Q1	TO254P105-6X470K195-3	LM7805	1
BJT Transistor	<a href="https://pricing.snapeda.com/parts/B C337-16%20A1/Taiwan%20 Semiconductor/view-part?ref=eda">Check availability/a> <a href="https://pricing.snapeda.com/parts/B C337-16%20A1/Taiwan%20 Semiconductor/view-part?ref=eda">Check availability/a>	Q2	TO92250P510H70-3	BC547B	1
3.3k	(MFR-25FBF52-10K) 10.2 kOhm bei 1% 0.25W, 1/4W Durchbohrlochwidens tand Axial Metal Film	R1	RESAD1100W55L680D260	Resistor (0.25W)	1
10k	(MFR-25FBF52-10K) 10.2 kOhm bei 1% 0.25W, 1/4W Durchbohrlochwidens tand Axial Metal Film	R2, R3, R8	RESAD1100W55L680D260	Resistor (0.25W)	3
1k	(MFR-25FBF52-10K) 10.2 kOhm bei 1% 0.25W, 1/4W Durchbohrlochwidens tand Axial Metal Film	R4	RESAD1100W55L680D260	Resistor (0.25W)	1
2.2k	(MFR-25FBF52-10K) 10.2 kOhm bei 1% 0.25W, 1/4W Durchbohrlochwidens tand Axial Metal Film	R5	RESAD1100W55L680D260	Resistor (0.25W)	1
220	(MFR-25FBF52-10K) 10.2 kOhm bei 1% 0.25W, 1/4W Durchbohrlochwidens tand Axial Metal Film	R6	RESAD1100W55L680D260	Resistor (0.25W)	1
100	(MFR-25FBF52-10K) 10.2 kOhm bei 1% 0.25W, 1/4W Durchbohrlochwidens tand Axial Metal Film	R7	RESAD1100W55L680D260	Resistor (0.25W)	1
3.3V Regulator		U1	TO255P1020X450K1948-3	LD1117V33	1
L293D	4-Channel Motor Driver 24V 16-Pin Power PDIP Tube	U2	DIP880W50P254L2000H510Q16	L293D	1
ESP8266-01/ESP-01	NikoFocus Apcs ESP8266-ESP-01 Serial Wireless WIFI Transceiver Receiver Module 1MB SPI Flash 0.3-0.3 4.6V Internet of Things WIFI Module Board Compatible with Arduino	U3	XCVR_ESP8266-01/ESP-01	ESP8266-01 Module	1
ATMEGA328P-PU	ATmega Series 20 MHz 512 KB Flash 2 KB SRAM 8-Bit Microcontroller - DIP-28	U4	DIP794W46P254L2967H457Q28B	ATMEGA328P-PU	1
NRF24L01P-MODULE-PCB	- Transceiver For Use With NRF24L01+	U5	XCVR_NRF24L01P-MODULE-PCB	NRF24L01P-MODULE-PCB	1
ECS-160-S-4	CRYSTAL 17H	Y1	XTAL_ECS-160-20-4X	Crystal oscillator	1