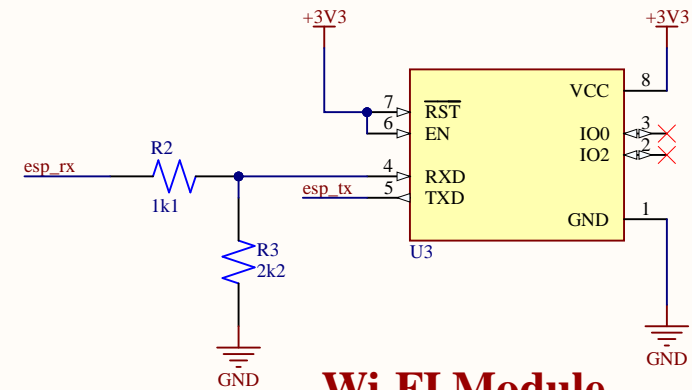
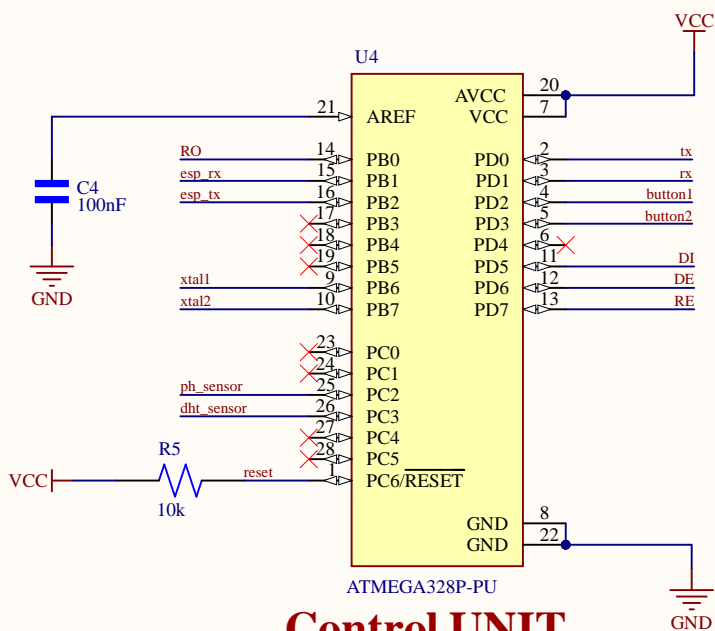


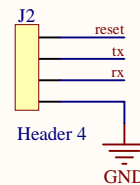
Power supply UNIT



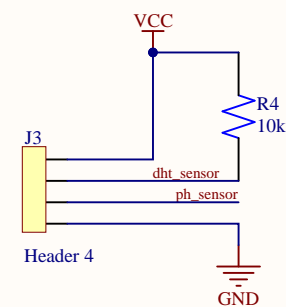
Wi-Fi Module



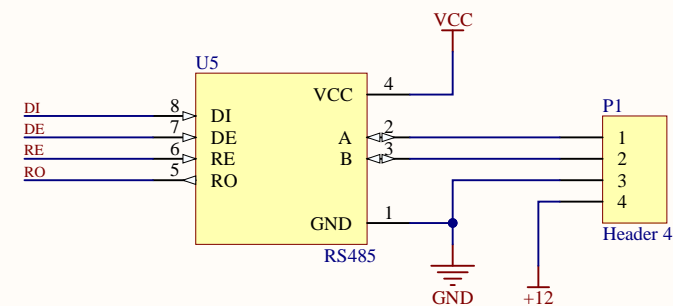
Control UNIT



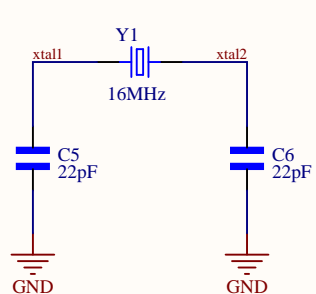
UART



Sensors

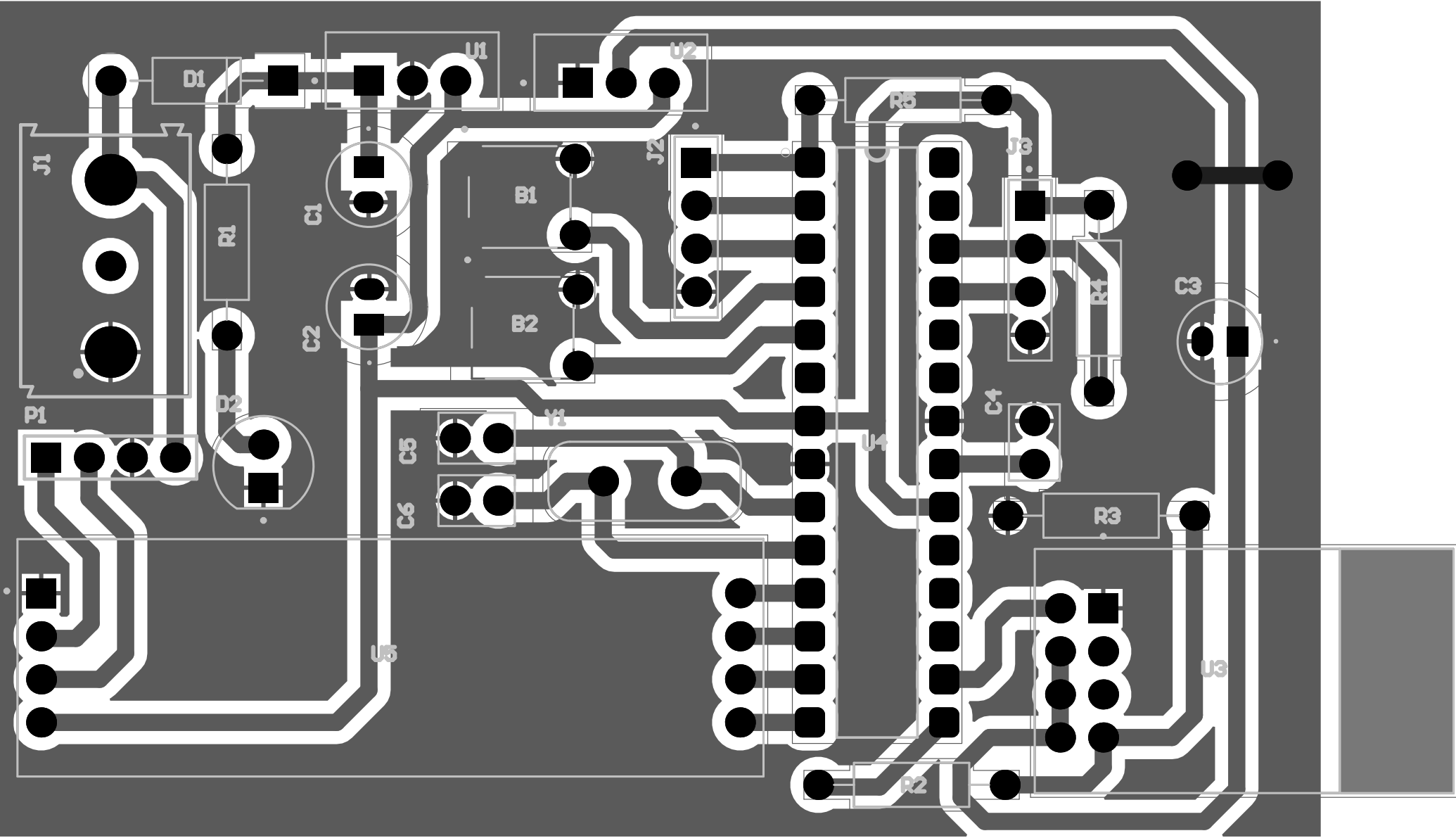


NPK



Buttons

Title			
Size	Number		Revision
A			
Date:	5-24-2023		Sheet of
File:	V:\Office\...\schematic.SchDoc		Drawn By:



Comment	Description	Designator	Footprint	LibRef	Quantity
Push button		B1, B2	SW_TS02-66-95-BK-260-LCR-D	Push button	2
100uF	FS-A	C1	CAPPRD500W50D500H1100	Electrolytic capacitor	1
10uF	FS-A	C2, C3	CAPPRD500W50D500H1100	Electrolytic capacitor	2
100nF	2200 pF $\pm 10\%$ 250V Ceramic Capacitor X7R Radial	C4	CAPRB500W50L450T300H550	Ceramic capacitor	1
22pF	2200 pF $\pm 10\%$ 250V Ceramic Capacitor X7R Radial	C5, C6	CAPRB500W50L450T300H550	Ceramic capacitor	2
1N4007	Diode Switching 1KV 1A 2-Pin DO-41	D1	DIOAD1060W80L520D270	1N4007	1
L08R5000Q1	LED, Orange, Through Hole, T-1 3/4 (5mm), 30 mA, 2.1 V, 635 nm	D2	LEDRD254W57D500H1070	LED	1
TBlock 3	5.08 MM TERMINAL BLOCK;	J1	Terminal block - 3Pins	3Pins Terminal block	1
Header 4	4 Position Header Connector Through Hole	J2, J3	SULLINS_PPTC041LFB-N-RC	Female header - 4Pins	2
Header 4	Header, 4-Pin	P1	HDR1X4	Header 4	1
1k	(MFR-25FBF52-10K) 10,2 kOhm bei 1% 0,25W, 1/4W Durchbohrlochwidertand Axial Metal Film	R1	RESAD1100W55L680D260	Resistor (0.25W)	1
1k1	(MFR-25FBF52-10K) 10,2 kOhm bei 1% 0,25W, 1/4W Durchbohrlochwidertand Axial Metal Film	R2	RESAD1100W55L680D260	Resistor (0.25W)	1
2k2	(MFR-25FBF52-10K) 10,2 kOhm bei 1% 0,25W, 1/4W Durchbohrlochwidertand Axial Metal Film	R3	RESAD1100W55L680D260	Resistor (0.25W)	1
10k	(MFR-25FBF52-10K) 10,2 kOhm bei 1% 0,25W, 1/4W Durchbohrlochwidertand Axial Metal Film	R4, R5	RESAD1100W55L680D260	Resistor (0.25W)	2
LM7805		U1	TO255P1020X450X1968-3	LM78__	1
LD1117V33		U2	TO255P1020X450X1968-3	LD1117V33	1
ESP8266-01/ESP-01	MakerFocus 4pcs ESP8266 ESP-01 Serial Wireless WiFi Transceiver Receiver Module 1MB SPI Flash DC3.0-3.6V 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 32 KB Flash 2 KB SRAM 8-Bit Microcontroller - DIP-28	U4	DIP794W46P254L2967H457Q28B	ATMEGA328P-PU	1
RS485	5V MAX485 TTL To RS485 Converter Module Board for Arduino	U5	MODULE_MAX485_MODULE_5V_LOGIC_TTL_TO_RS-485_CONVERTER	MAX485_MODULE_5V_LOGIC_TTL_TO_RS-485_CONVERTER	1
16MHz	CRYSTAL T/H	Y1	XTAL_ECS-160-20-4X	Crystal oscillator	1