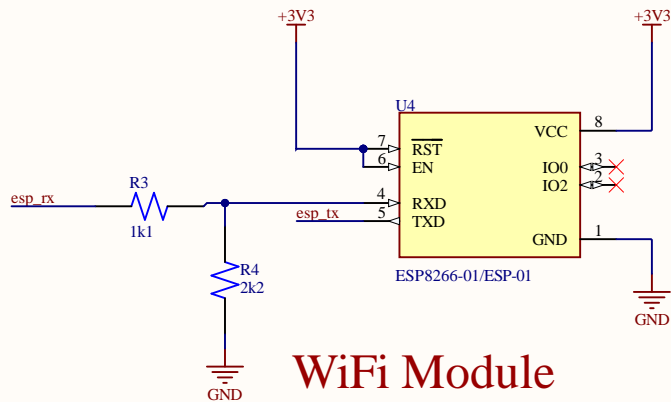
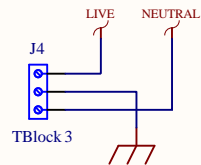


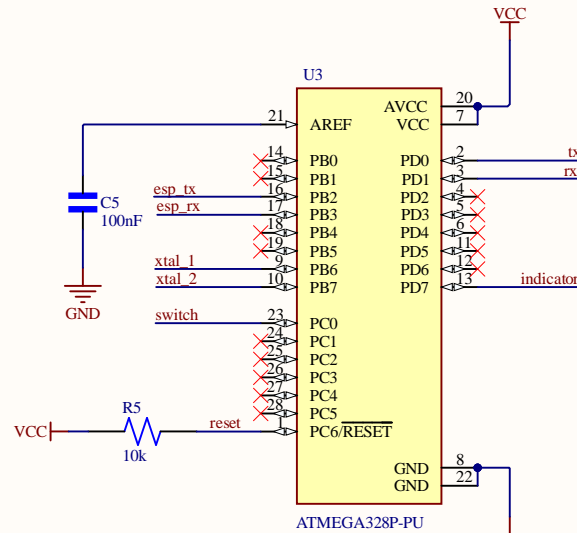
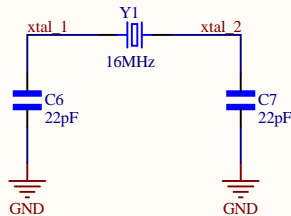
Power supply UNIT



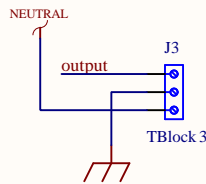
WiFi Module



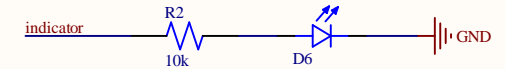
Input



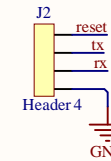
Control UNIT



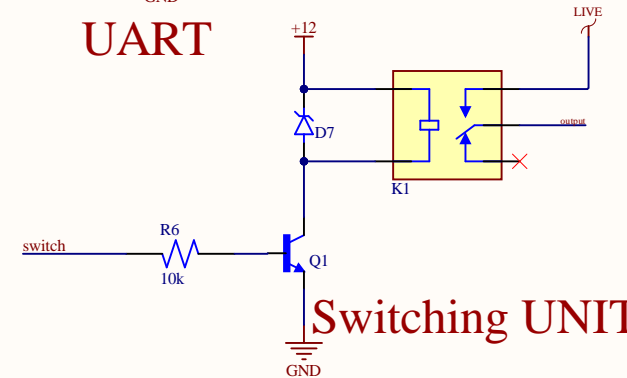
Output



Indicator

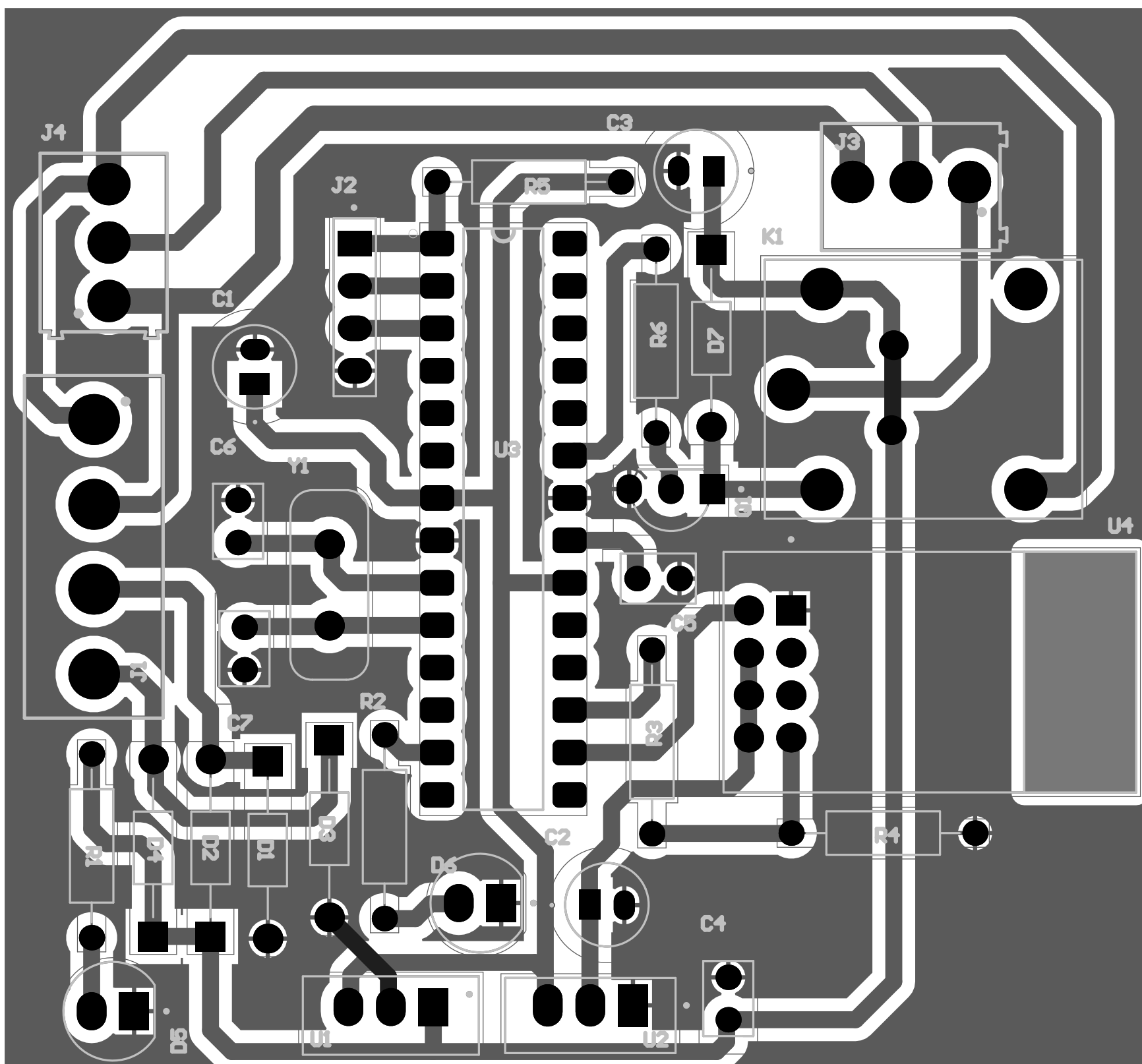


UART



Switching UNIT

Title		
Size	Number	Revision
A4		
Date:	5-04-2023	Sheet of
File:	V:\Office\...\schematic.SchDoc	Drawn By:



Comment	Description	Designator	Footprint	LibRef	Quantity
10uF	FS-A	C1, C2	CAPPRD500W50D500 H1100	Electrolytic capacitor	2
2200uF	FS-A	C3	CAPPRD500W50D500 H1100	Electrolytic capacitor	1
100nF	2200 pF ±10% 250V Ceramic Capacitor X7R Radial	C4, C5	CAPRB500W50L450T3 00H550	Ceramic capacitor	2
22pF	2200 pF ±10% 250V Ceramic Capacitor X7R Radial	C6, C7	CAPRB500W50L450T3 00H550	Ceramic capacitor	2
1N4745A	Zener Diode 16W 1W ±5% Through Hole DO-204AL (DO-41)	D1, D2, D3, D4, D7	DIOAD1060W70L435D 230	Zenner diode	5
U08R5000Q1	LED, Orange, Through Hole, T-1 3/4 (5mm), 30 mA, 2.1 V, 635 nm	D5, D6	LEDRD254W570500H1 070	LED	2
TBlock 4	2415 - 5.08 mm Horizontal Entry Modular w. Rising Cage Clamp-   - - KIND PROPERTIES    - - Pitch 5.08 mm  -   - MATERIAL PROPERTIES    - - Insulator Material PA66  - Insulator Flammability Rating UL94 V-0  - Terminal Screw Material Steel  - Terminal Screw Plating Zinc  - Wire Guard Material Copper Alloy  -   - GENERAL INFORMATION    - - Operating Temperature -30 up to +125°C	J1	691241510004	Terminal block - 4Pins	1
Header 4	4 Position Header Connector Through Hole	J2	SULLINS_PPT041LFB N-RC	Female header - 4Pins	1
TBlock 3	3 Position Wire to Board Terminal Block Horizontal with Board 0.138 (3.50mm) Through Hole	J3, J4	691214110003	Terminal blocks - 3Pins (Small)	2
JQC-3F-1C-24VDC	Miniature PCB Relay 24VDC, 10A 250VAC, 15A 125VAC, 10A 250VAC	K1	RELAY_JQC-3F-1C- 24VDC	Relay (Standard)	1
BIT 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-	Q1	TO92250P510K170-3	BC547B	1
2k	(MFR: 25FBF52-10K) 10.2 kOhm bei 1% 0.25W, 1/4W/ Durchbohrlochwidens tand Axial Metal Film	R1	RESAD1100W55L6800 260	Resistor (0.25W)	1
10k	(MFR: 25FBF52-10K) 10.2 kOhm bei 1% 0.25W, 1/4W/ Durchbohrlochwidens tand Axial Metal Film	R2, R5, R6	RESAD1100W55L6800 260	Resistor (0.25W)	3
1k1	(MFR: 25FBF52-10K) 10.2 kOhm bei 1% 0.25W, 1/4W/ Durchbohrlochwidens tand Axial Metal Film	R3	RESAD1100W55L6800 260	Resistor (0.25W)	1
2k2	(MFR: 25FBF52-10K) 10.2 kOhm bei 1% 0.25W, 1/4W/ Durchbohrlochwidens tand Axial Metal Film	R4	RESAD1100W55L6800 260	Resistor (0.25W)	1
LM7805		U1	TO254P1054X470X195 5-3	LM7805	1
LD1117V33		U2	TO255P1020X450X195 8-3	LD1117V33	1
ATMEGA328P-PU	Atmega Series 20 MHz 32 KB Flash 2 KB SRAM 8-Bit Microcontroller - DIP- 28	U3	DIP794W46P254L2967 H457C28B	ATMEGA328P-PU	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 Ar duino	U4	XCVR_ESP8266- 01/ESP-01	ESP8266-01 Module	1
16MHz	CRYSTAL 17H	Y1	XTAL_EC5-160-20-4X	Crystal oscillator	1