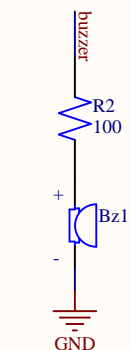
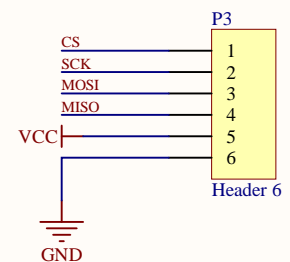
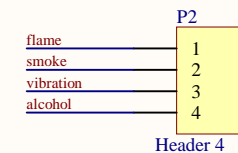
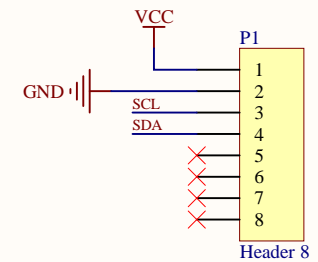
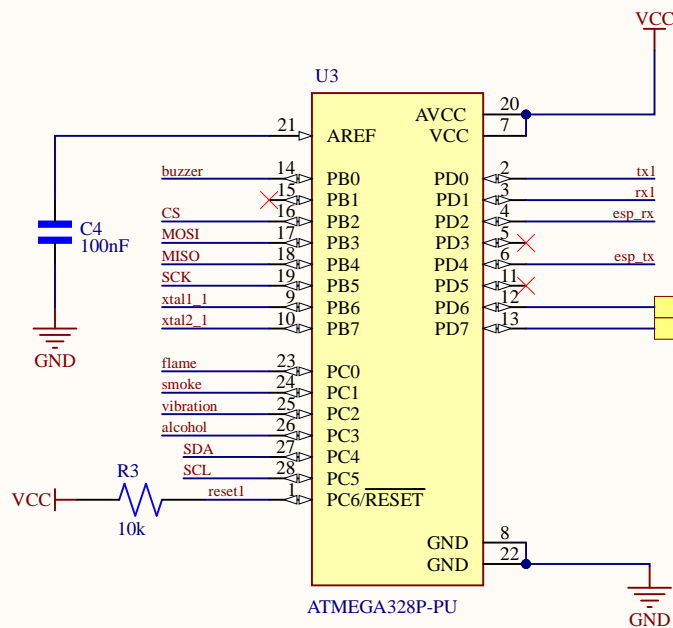


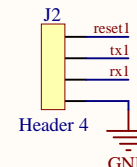
Power supply UNIT



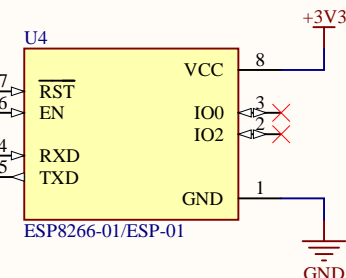
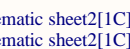
Buzzer



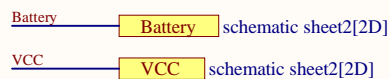
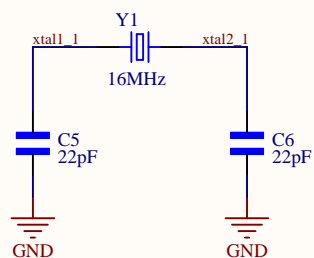
Control UNIT



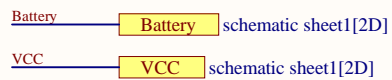
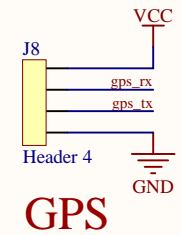
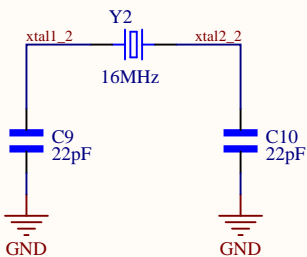
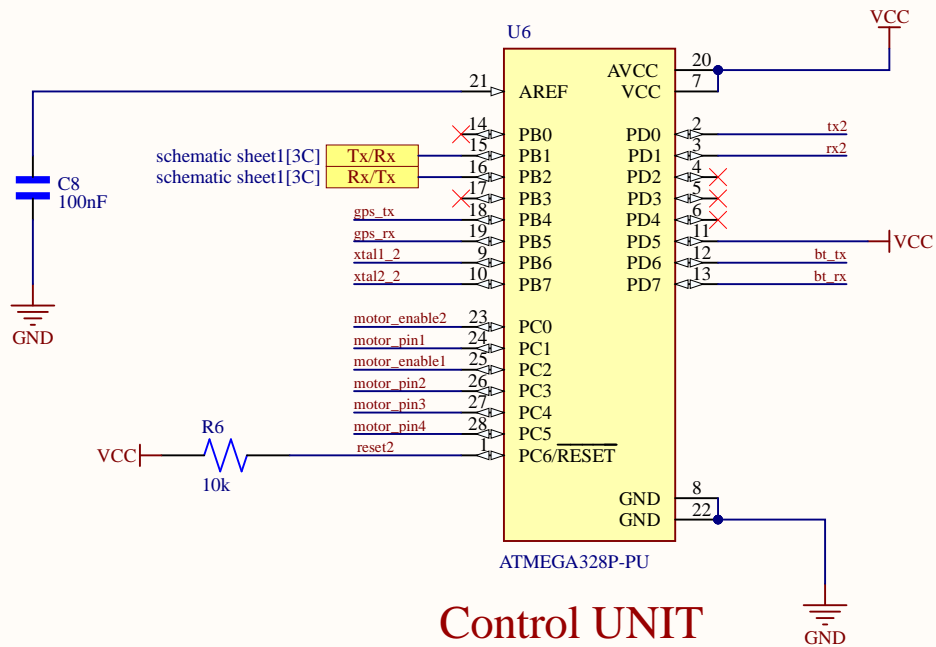
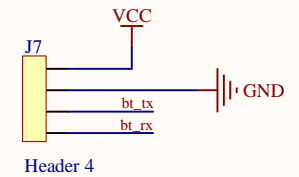
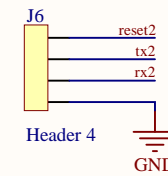
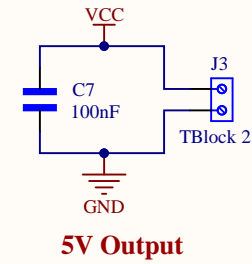
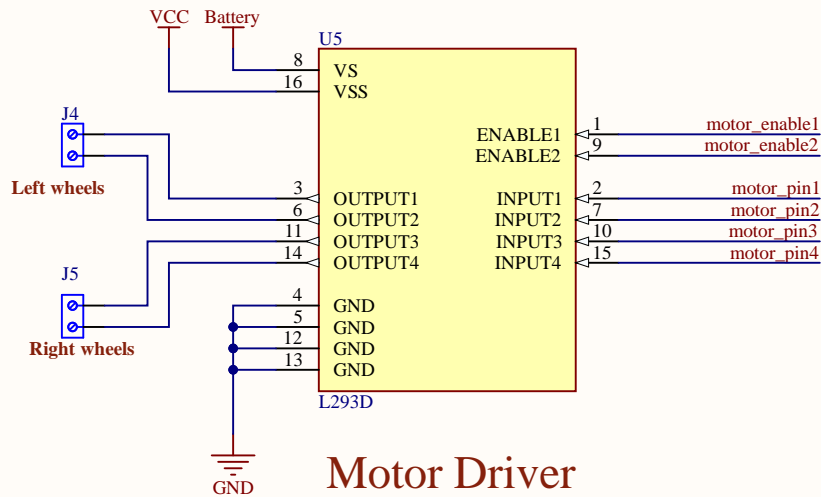
UART



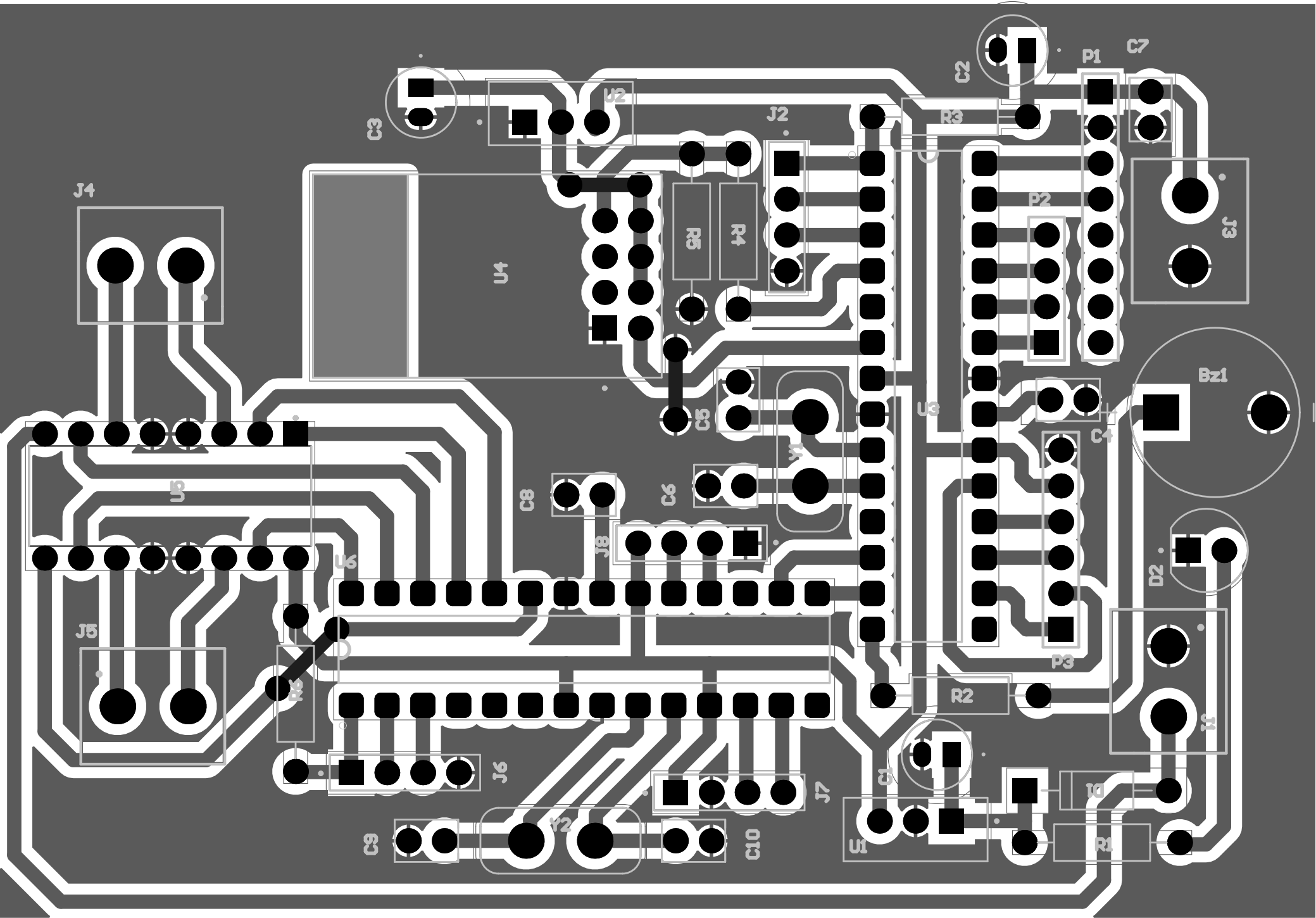
ESP Module



| | | | |
|-------|---------------------------------------|--|-----------|
| Title | | | |
| Size | Number | | Revision |
| A | | | |
| Date: | 6-09-2023 | | Sheet of |
| File: | V:\Office\...\schematic sheet1.SchDoc | | Drawn By: |



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|-----------|---------------------------------------|-----------|
| Title | | |
| Size A | Number | Revision |
| Date: | 6-09-2023 | Sheet of |
| File: | V:\Office\...\schematic sheet2.SchDoc | Drawn By: |



| Comment | Description | Designator | Footprint | LibRef | Quantity |
|-------------------|---|-----------------|----------------------------|------------------------|----------|
| AI-1223-TWT-12V-R | ELECTRO-MECHANICAL AUDIO INDICATOR | Bx1 | XDCR_AI-1223-TWT-12V-R | Buzzer | 1 |
| 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, C7, C8 | CAPRB500W50L450T300H550 | Ceramic capacitor | 3 |
| 22pF | 2200 pF \pm 10% 250V Ceramic Capacitor X7R Radial | C5, C6, C9, C10 | CAPRB500W50L450T300H550 | Ceramic capacitor | 4 |
| 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 2 | 2 Position Wire to Board Terminal Block Horizontal with Board 0.197 _5.00mm_ Through Hole | J1, J3 | 691111710002 | Terminal Block - 2Pins | 2 |
| Header 4 | 4 Position Header Connector Through Hole | J2, J6, J7, J8 | SULLINS_PPTC041LFB N-RC | Female header - 4Pins | 4 |
| 691111710002 | 2 Position Wire to Board Terminal Block Horizontal with Board 0.197 _5.00mm_ Through Hole | J4, J5 | 691111710002 | Terminal Block - 2Pins | 2 |
| Header 8 | Header, 8-Pin | P1 | HDR1X8 | Header 8 | 1 |
| Header 4 | Header, 4-Pin | P2 | HDR1X4 | Header 4 | 1 |
| Header 6 | Header, 6-Pin | P3 | HDR1X6 | Header 6 | 1 |
| 1k | (MFR:25FBF52-10K) 10,2 kOhm bei 1% 0,25W, 1/4W Durchbohrlochwidertand Axial Metal Film | R1 | RESAD1100W55L680D260 | Resistor (0.25W) | 1 |
| 100 | (MFR:25FBF52-10K) 10,2 kOhm bei 1% 0,25W, 1/4W Durchbohrlochwidertand Axial Metal Film | R2 | RESAD1100W55L680D260 | Resistor (0.25W) | 1 |
| 10k | (MFR:25FBF52-10K) 10,2 kOhm bei 1% 0,25W, 1/4W Durchbohrlochwidertand Axial Metal Film | R3, R6 | RESAD1100W55L680D260 | Resistor (0.25W) | 2 |
| 1k1 | (MFR:25FBF52-10K) 10,2 kOhm bei 1% 0,25W, 1/4W Durchbohrlochwidertand Axial Metal Film | R4 | RESAD1100W55L680D260 | Resistor (0.25W) | 1 |
| 2.2k | (MFR:25FBF52-10K) 10,2 kOhm bei 1% 0,25W, 1/4W Durchbohrlochwidertand Axial Metal Film | R5 | RESAD1100W55L680D260 | Resistor (0.25W) | 1 |
| LM7805 | | U1 | TQ25SP1020X450X1968-3 | LM78__ | 1 |
| LD1117V33 | | U2 | TQ25SP1020X450X1968-3 | LD1117V33 | 1 |
| ATMEGA328P-PU | ATmega Series 20 MHz 32 KB Flash 2 KB SRAM 8-Bit Microcontroller - DIP-28 | U3, U6 | DIP794W46P254L2967H457Q28B | ATMEGA328P-PU | 2 |
| 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 | U4 | XCVR_ESP8266-01/ESP-01 | ESP8266-01 Module | 1 |
| L293D | 4-Channel Motor Driver 24V 16-Pin Power PDIP Tube | U5 | DIP880W50P254L2000H510Q16 | L293D | 1 |
| 16MHz | CRYSTAL T/H | Y1, Y2 | XTAL_ECS-160-20-4X | Crystal oscillator | 2 |