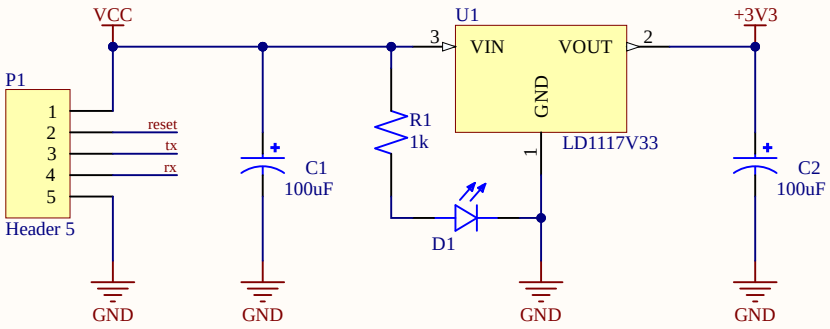
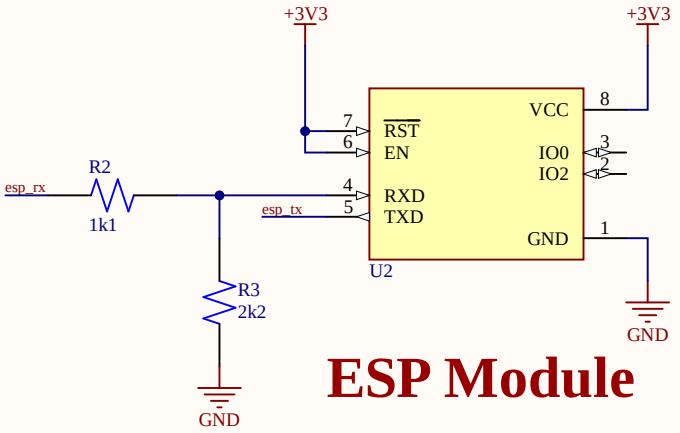
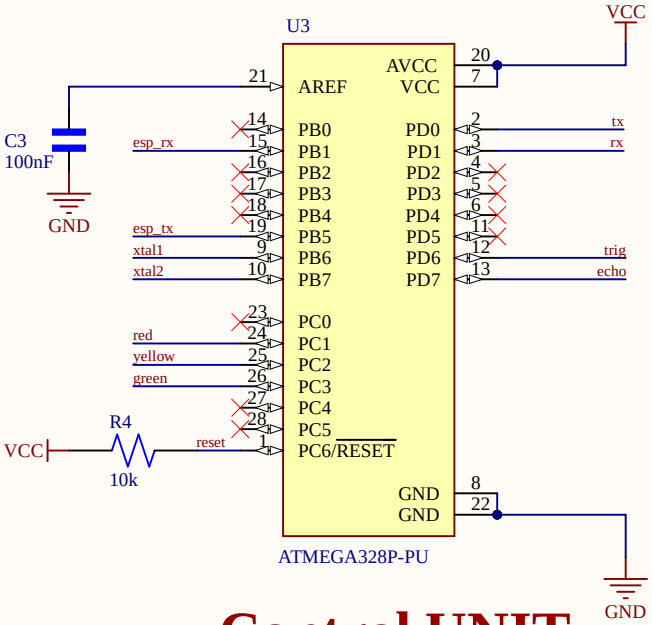


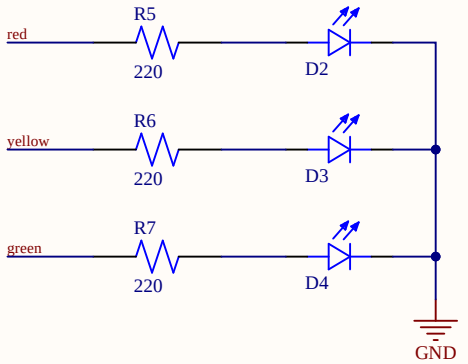
Power supply



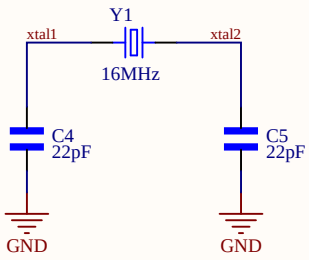
ESP Module



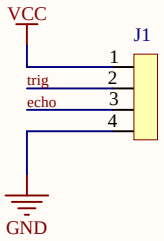
Control UNIT



Trafic lights



Crystal oscilator



Ultrasonic

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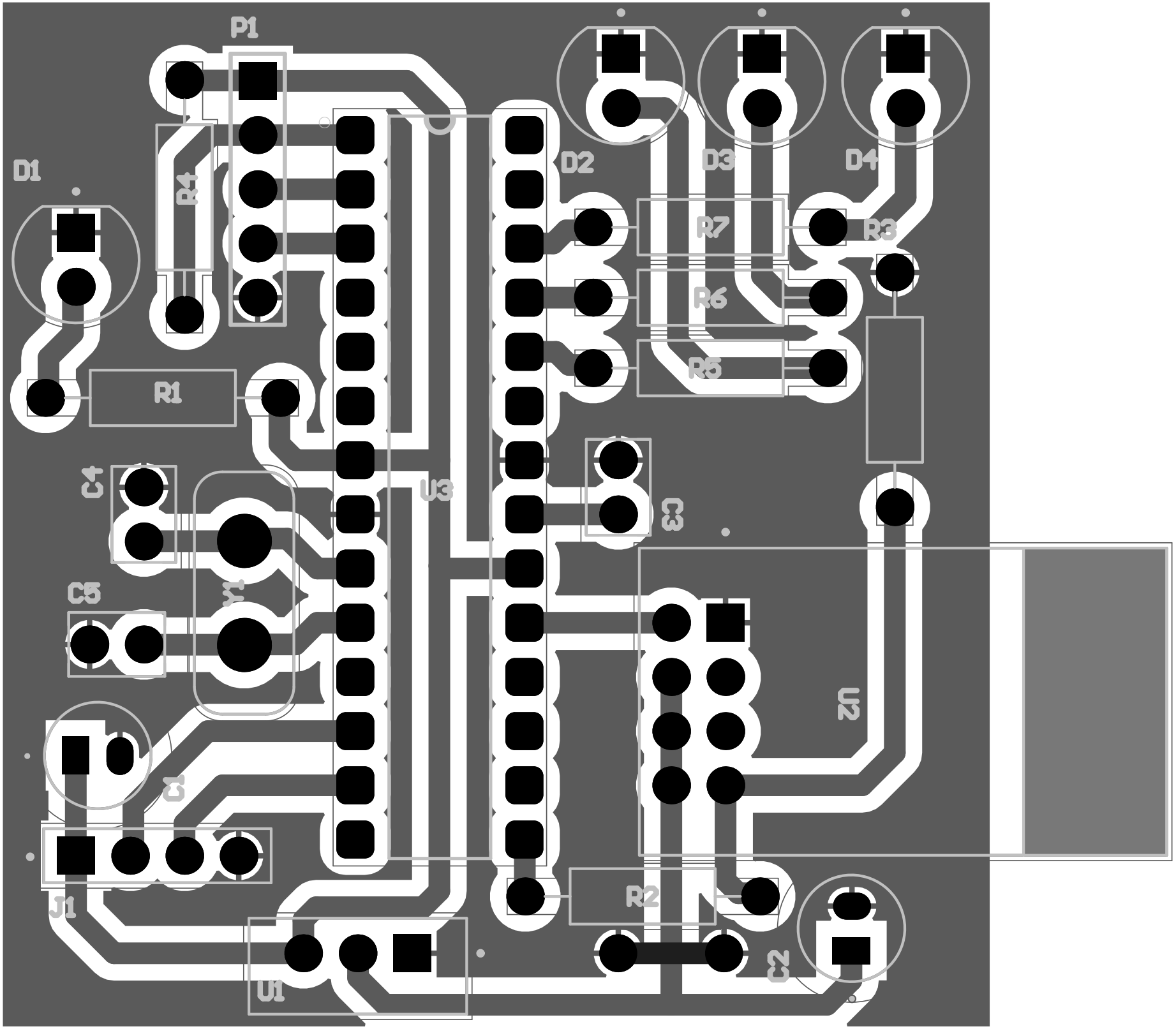
P1
D1
D2
D3
D4
R4
R7
R3
R6
R5
R1
C4
U3
C3
C5
Y1
U2
C1
J1
R2
C2
U1

Comment	Description	Designator	Footprint	LibRef	Quantity
100uF	FS-A	C1, C2	CAPPRD500W50D500H1100	Electrolytic capacitor	2
100nF	2200 pF Â±10% 250V Ceramic Capacitor X7R Radial	C3	CAPRB500W50L450T300H550	Ceramic capacitor	1
22pF	2200 pF Â±10% 250V Ceramic Capacitor X7R Radial	C4, C5	CAPRB500W50L450T300H550	Ceramic capacitor	2
L08R5000Q1	LED, Orange, Through Hole, T-1 3/4 (5mm), 30 mA, 2.1 V, 635 nm	D1, D2, D3, D4	LEDRD254W57D500H1070	LED	4
PPTC041LFBN-RC	4 Position Header Connector Through Hole	J1	SULLINS_PPTC041LFBN-RC	Female header - 4Pins	1
Header 5	Header, 5-Pin	P1	HDR1X5	Header 5	1
1k	(MFR-25FBF52-10K) 10,2 kOhm bei 1% 0,25W, 1/4W Durchbohrlochwiderstand Axial Metal Film	R1	RESAD1100W55L680D260	Resistor (0.25W)	1
1k1	(MFR-25FBF52-10K) 10,2 kOhm bei 1% 0,25W, 1/4W Durchbohrlochwiderstand Axial Metal Film	R2	RESAD1100W55L680D260	Resistor (0.25W)	1
2k2	(MFR-25FBF52-10K) 10,2 kOhm bei 1% 0,25W, 1/4W Durchbohrlochwiderstand Axial Metal Film	R3	RESAD1100W55L680D260	Resistor (0.25W)	1
10k	(MFR-25FBF52-10K) 10,2 kOhm bei 1% 0,25W, 1/4W Durchbohrlochwiderstand Axial Metal Film	R4	RESAD1100W55L680D260	Resistor (0.25W)	1
220	(MFR-25FBF52-10K) 10,2 kOhm bei 1% 0,25W, 1/4W Durchbohrlochwiderstand Axial Metal Film	R5, R6, R7	RESAD1100W55L680D260	Resistor (0.25W)	3
LD1117V33		U1	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	U2	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	U3	DIP794W46P254L2967H457Q28B	ATMEGA328P-PU	1
16MHz	CRYSTAL T/H	Y1	XTAL_ECS-160-20-4X	Crystal oscilator	1