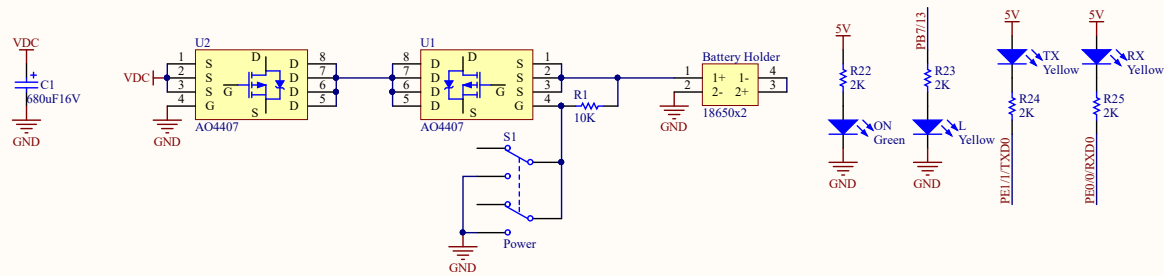


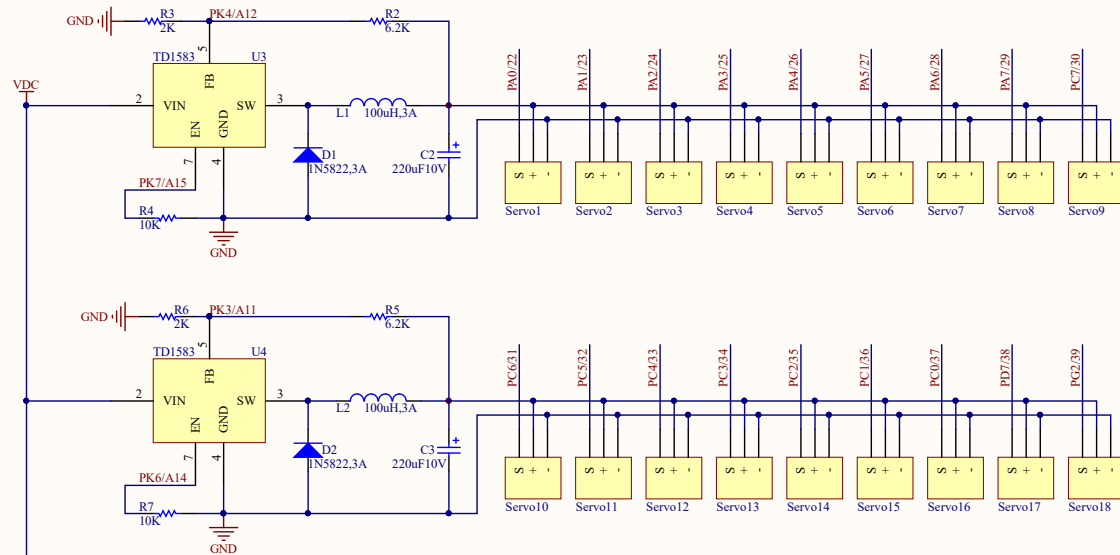
A

A



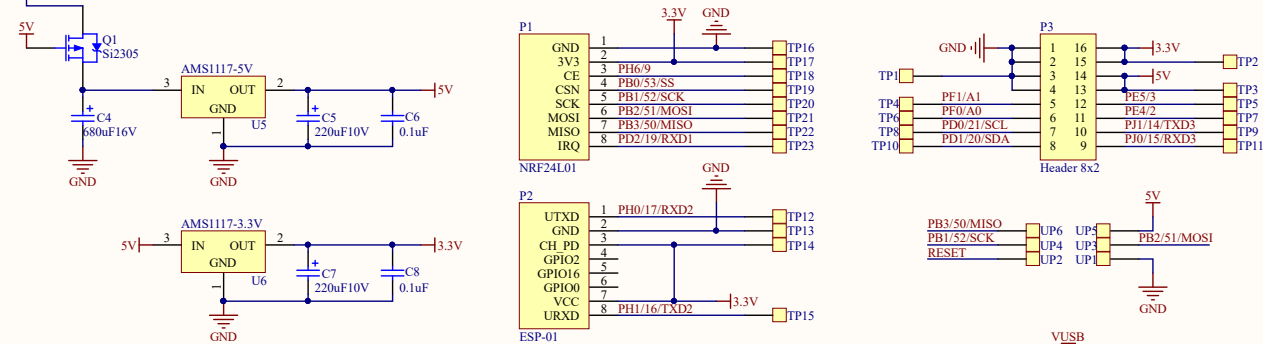
B

B



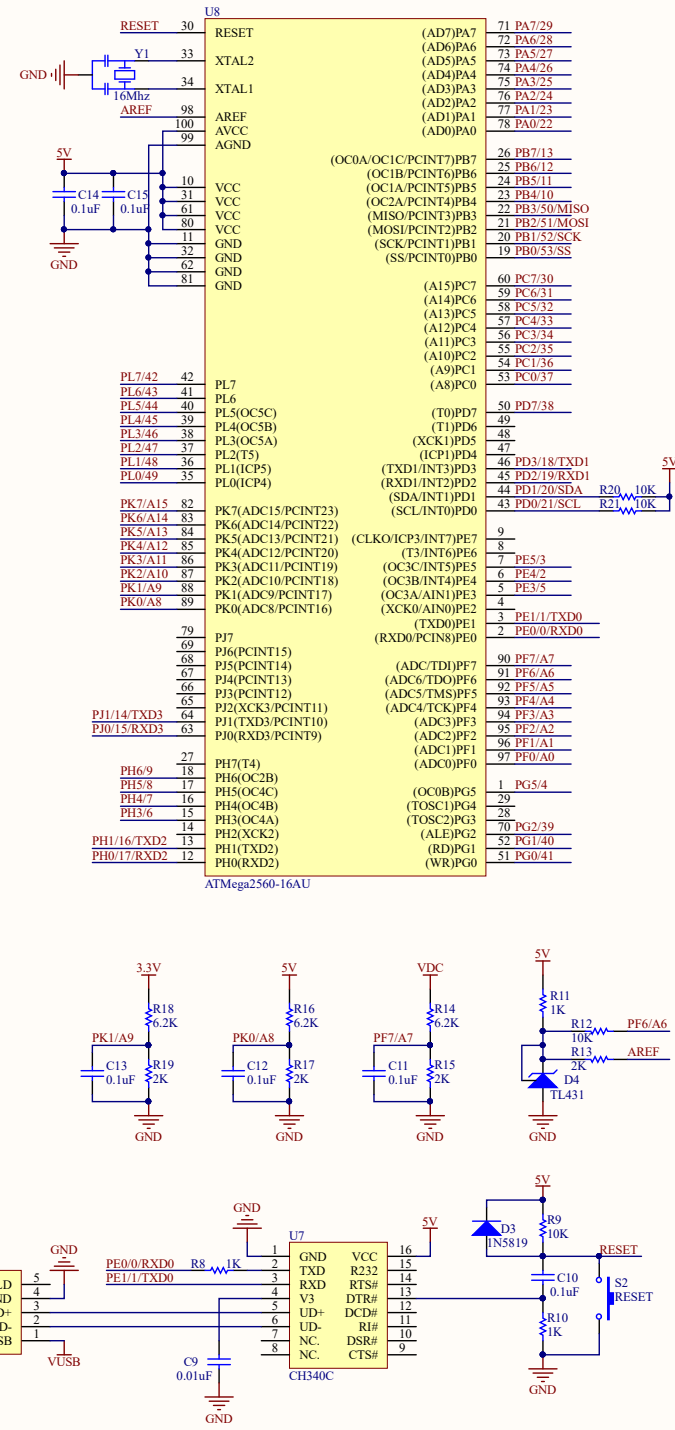
C

C



D

D



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Comment	Footprint	Designator	Quantity	Value
1N5819	SOD-123	D3	1	
1N5822,3A	DO-214AC	D1, D2	2	
18650x2	Battery Holder 18650x2	Battery Holder	1	
AMS1117-3.3V	SOT-223	U6	1	
AMS1117-5V	SOT-223	U5	1	
AO4407	SOP8	U1, U2	2	
ATMega2560-16AU	TQFP-100A_N	U8	1	
Cap	c0603	C6, C8, C10, C11, C12, C13, C14, C15	8	0.1uF
Cap	c0603	C9	1	0.01uF
Cap Pol	cpd 0.5x2.0 5x11	C2, C3, C5, C7	4	220uF10V
Cap Pol	cpd 0.6x3.5 8x11.5	C1, C4	2	680uF16V
CH340C	SOP16	U7	1	
ESP-01	ESP-01 socket SMT	P2	1	
Green	d0603	ON	1	
Header 3 Servo	Header 3 Servo Colorful	Servo1, Servo2, Servo3, Servo4, Servo5, Servo6, Servo7, Servo8, Servo9, Servo10, Servo11, Servo12, Servo13, Servo14, Servo15, Servo16, Servo17, Servo18	18	
Header 8x2	Header 8x2 SMT	P3	1	
Inductor	Inductor LGB0810	L1, L2	2	100uH,3A
NRF24L01	nrf24l01 socket SMT	P1	1	
Power	Switch Push 7x7 Flat Head	S1	1	
Res	r0603	R1, R4, R7, R9, R12, R20, R21	7	10K
Res	r0603	R2, R5, R14, R16, R18	5	6.2K
Res	r0603	R3, R6, R13, R15, R17, R19, R22, R23, R24, R25	10	2K
Res	r0603	R8, R10, R11	3	1K
RESET	Switch Tact 4.5x4.5x5 SMT	S2	1	
Si2305	SOT-23	Q1, Q2	2	
TD1583	SOP8	U3, U4	2	
Test Point	Test Point 100mil	TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10, TP11, TP12, TP13, TP14, TP15, TP16, TP17, TP18, TP19, TP20, TP21, TP22, TP23, UP1, UP2, UP3, UP4, UP5, UP6	29	
TL431	SOT-23	D4	1	
USB	USB-Type-C-16p-4p	P4	1	
XTAL	SMD-3	Y1	1	16Mhz
Yellow	d0603	L, RX, TX	3	