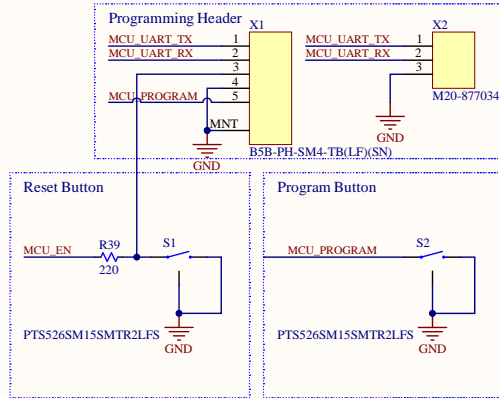
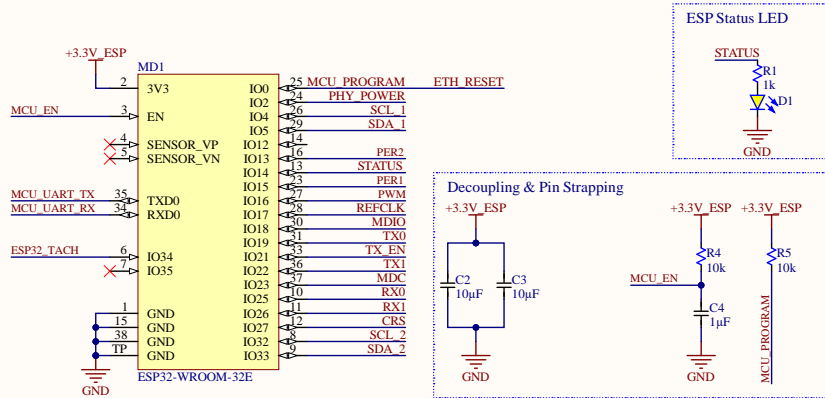
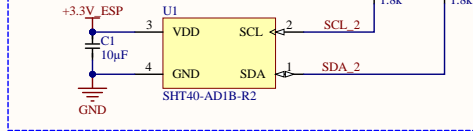


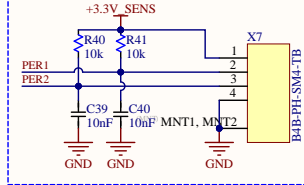
WIFI/BLE



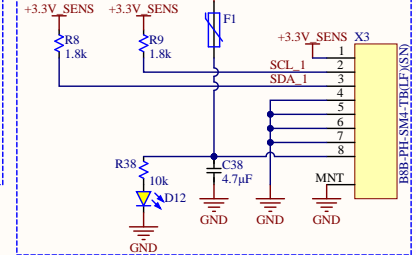
RH-Sensor



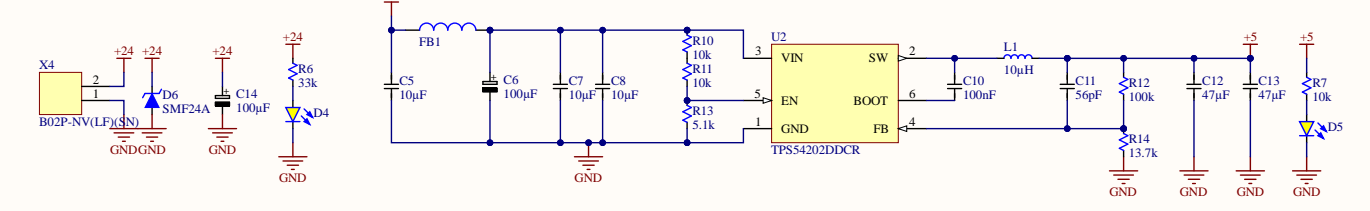
Perilex-CON



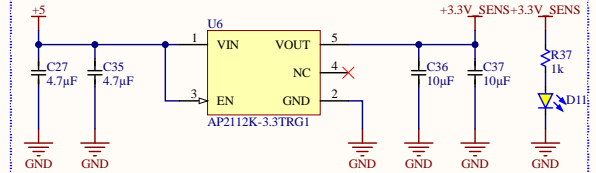
Sensor-CON



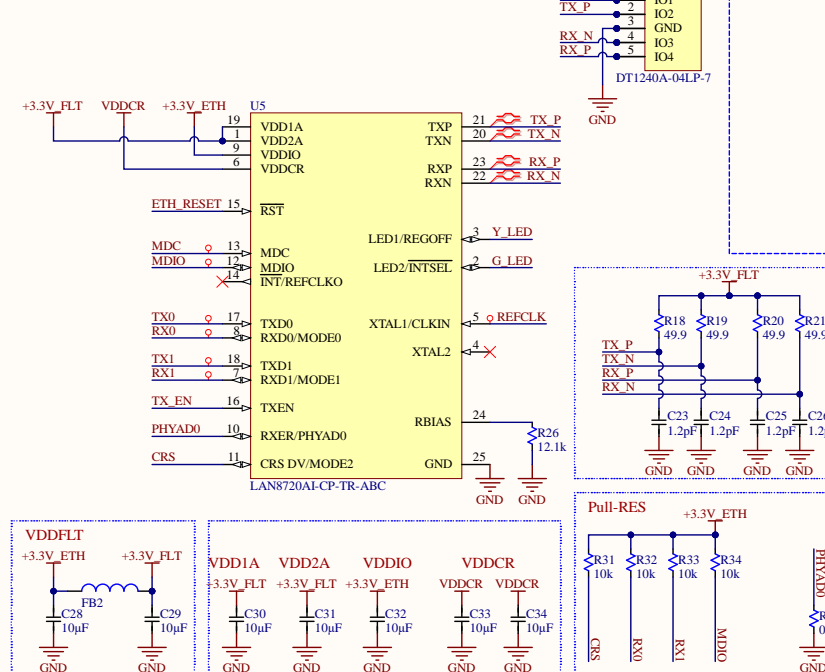
MCU Buck Converter



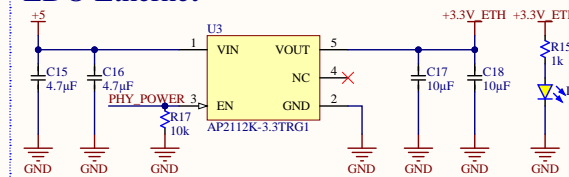
LDO Sensor



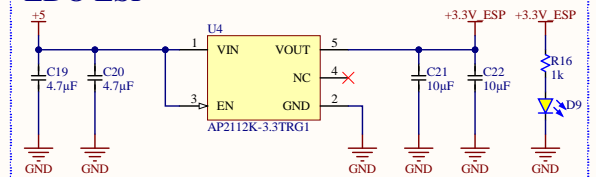
ETHERNET



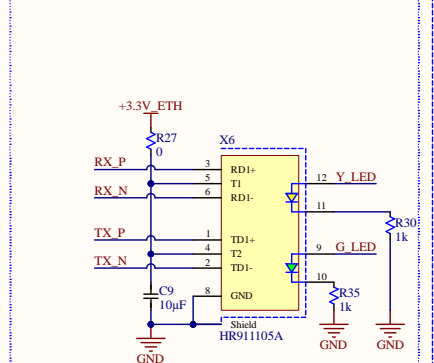
LDO Ethernet



LDO ESP

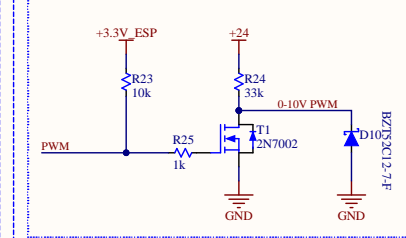


ETH CON

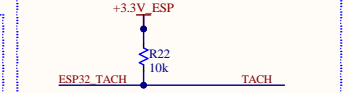


Motor

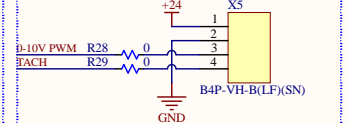
Motor Speed Control



Tach Input



Motor Connector



Title: Open AIR Mini - Reno			
Designed by:	The Flamingo	Date:	01/11/2025
Checked by:	Koen	Sheet:	1 of 1
Approved by:	The Flamingo	Variant:	[No Variations]
Revision:	1.1	Size:	A3

Line#	Name	Description	Designator	Quantity	Fitted	LCSC Part Number	LCSC Jolly Bean Part Number	Revision Status	Revision State	JLCPCB Basic Part
	74437336100	General Purpose Inductor, 10uH, 20%, 1 Element, Powdered Iron-Core, SMD, 2220	L1	1		C2045810	C177248		Unknown server	
	BZT52C12-7-F	Zener Diode, 12V V(Z), 5.39%, 0.37W, Silicon, Unidirectional	D10	1		C124196	-		Unknown server	
	DT1240A-04LP-7	Trans Voltage Suppressor Diode, 52W, 3.3V V(R/VM), Unidirectional, 1 Element, Silicon	D7	1		C5248968	C22363670		Unknown server	
	ERJ2RKF1372X	RES,SMT, 13.7kΩ, 1%, 100mW, 100ppm/°C 0402	R14	1		C2076881	C25854		Unknown server	
	ERJ2RKF1801X	RES,SMT, 1.8kΩ, 1%, 100mW, 100ppm/°C 0402	R2, R3, R8, R9	4		C400611	C163481		Unknown server	
	GRM32EC81C476KE15K	CAP MLCC 1210 47uF 10%16V X7R	C12, C13	2		C3831429	C5440143		Unknown server	
	SMF24A	Trans Voltage Suppressor Diode, 200W, 24V V(R/VM), Unidirectional, 1 Element, Silicon	D6	1		C315999	C19077514		Unknown server	
	TPS54202DDCR	Switching Regulator, Current-mode, 2A, 500kHz Switching Freq-Max, PDSO6	U2	1		C191884	-		Unknown server	
	1206L050/24WR	PTC Resettable Fuse, Surface Mount	F1	1		C2154056	C369160		Unknown server	
	865230557006	WCAP- A55H Aluminum Electrolytic Capacitors	C6, C14	2		-	C3148158		Unknown server	
	AP2112K-3.3TRG1	Fixed Positive LDO Regulator, 3.3V, 0.4V Dropout, CMOS, PDSO5	U3, U4, U6	3		C51118	-		Unknown server	
	B02P-NV(LF)(SN)	NV Series 2 Position 5 mm Pitch Through Hole Locking Header	X4	1		C160287	C5441119		Unknown server	
	B5B-PH-SM4-TB(LF)(SN)	B5B-PH-SM4-TB(LF)(SN)	X1	1		C265085	C7433666		Unknown server	
	B8B-PH-SM4-TB(LF)(SN)	Connector Header, PH Series, 8 Position, 2.00mm, 100V, Surface Mount, Solder, Natural	X3	1		C265441	C2845457		Unknown server	
	ESP32-WROOM-32E	WiFi-Modul 802.11/BT2, 4-2, 5GHz 150Mb/s	MD1	1		C701341	-		Unknown server	
	HR911105A	100mbit connector with integrated magnetics	X6	1		C12074	-		Unknown server	
	LAN8720AI-CP-TR-ABC	Ethernet Transceiver	U5	1		C510876	-		Unknown server	
	SH140-AD1B-R2	Sensorion Moisture and Temperature Sensor	U1	1		C2909890	-		Unknown server	
	B4B-PH-SM4-TB	2.0mm pitch/ Disconnectable Insulation displacement and Crimp style connectors	X7	1		C160354	C2763704		Unknown server	No
	B4P-VH-B(LF)(SN)	Locking Header, Top Entry Type of PBT, 4 Circuit, 3.96mm Pitch	X5	1		C493148	C8884		Unknown server	No
	ERJ2RKF49R9X	RES,SMT, 49.9Ω, 1%, 100mW, 100ppm/°C 0402	R18, R19, R20, R21	4		C441726	C25120		Unknown server	No
	ERJ2RKF1212X	RES,SMT, 12.1kΩ, 1%, 100mW, 100ppm/°C 0402	R26	1		C416469	C25852		Unknown server	No
	GRM1555C1H560J01J	CAP MLCC 0402 56pF 5%50V XGG 0402	C11	1		C6204182	C1572		Unknown server	No
	M20-8770342	Header SMT MALE 3 Pin 1 Row 2.54mm Pitch Vertical Gold Plated	X2	1		C5757760	C2883760		Unknown server	No
	2N7002	Small Signal Field-Effect Transistor, 0.115A I(D), 60V, 1-Element, N-Channel, Silicon, Metal-oxide Semiconductor FET	T1	1		-	C8545		Unknown server	Yes
	0402WGF2200TCE	RES,SMT, 220Ω, 1%, 63.5mW, 100ppm/°C 0402	R39	1		C25091	-		Unknown server	Yes
	150060WS75000	SMD Mono-color Chip LEDs	D1, D4, D5, D8, D9, D11, D12	7		-	C2290		Unknown server	Yes
	74279204	Ferrite Bead, 1 Function(s), 0.5A, 2 Pin(s)	FB1, FB2	2		-	C1017		Unknown server	Yes
	CGA2B3X7R1H104K050B	CAP MLCC 0402 100nF 10%50V X7R 0402	C10	1		C2167391	C307331		Unknown server	Yes
	CL05A106MQ5NUNC	CAP MLCC 0402 10uF 20%6.3V X5R 0402	C1, C2, C3, C9, C17, C18, C21, C22, C28, C29, C30, C31, C32, C33, C34, C36, C37	17		C15525	-		Unknown server	Yes
	CL05A475MP5NRNC	CAP MLCC 0402 4.7uF 20%10V X5R 0402	C15, C16, C19, C20, C27, C35, C38	7		C23733	-		Unknown server	Yes
	CL31A106KBHNNNE	CAP MLCC 1206 10uF 10%50V X5R	C5, C7, C8	3		C13585	-		Unknown server	Yes
	ERJ2RKF1001X	RES,SMT, 1kΩ, 1%, 100mW, 100ppm/°C 0402	R1, R15, R16, R25, R30, R35, R37	7		C242161	C11702		Unknown server	Yes
	ERJ2RKF1002X	RES,SMT, 10kΩ, 1%, 100mW, 100ppm/°C 0402	R4, R5, R7, R10, R11, R17, R22, R23, R31, R32, R33, R34, R38, R40, R41	15		C191123	C25744		Unknown server	Yes
	ERJ2RKF1003X	RES,SMT, 100kΩ, 1%, 100mW, 100ppm/°C 0402	R12	1		C192169	C25741		Unknown server	Yes
	ERJ2RKF3302X	RES,SMT, 33kΩ, 1%, 100mW, 100ppm/°C 0402	R6, R24	2		C278593	C25779		Unknown server	Yes
	ERJ2RKF5101X	RES,SMT, 5.1kΩ, 1%, 100mW, 100ppm/°C 0402	R13	1		C278598	C25905		Unknown server	Yes
	ERJ-U020R00X	RES,SMT, 0Ω, 1%, 100mW, 100ppm/°C 0402	R27, R28, R29, R36	4		C4063574	C17168		Unknown server	Yes
	GRM155R61H105ME05D	CAP MLCC 0402 1uF 20%25V X5R 0402	C4	1		C5119299	C52923		Unknown server	Yes
	GRM155R71C103KA01D	CAP MLCC 0402 10nF 10%16V X7R 0402	C39, C40	2		C85735	C15195		Unknown server	Yes
	PTS526SM15SMTR2LFS	Switch Tactile N.O. SPST Round Button Gull Wing 0.05A 12VDC 500000 Cycles 1.57N SMD T/R	S1, S2	2		C2689538	C318884		Unknown server	Yes