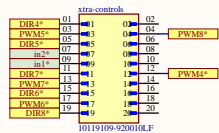
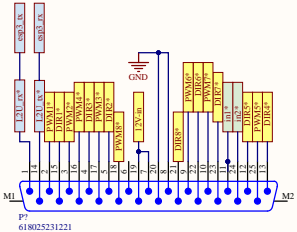
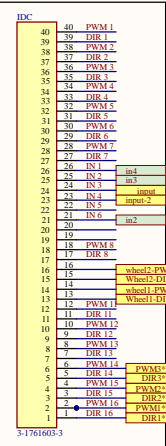
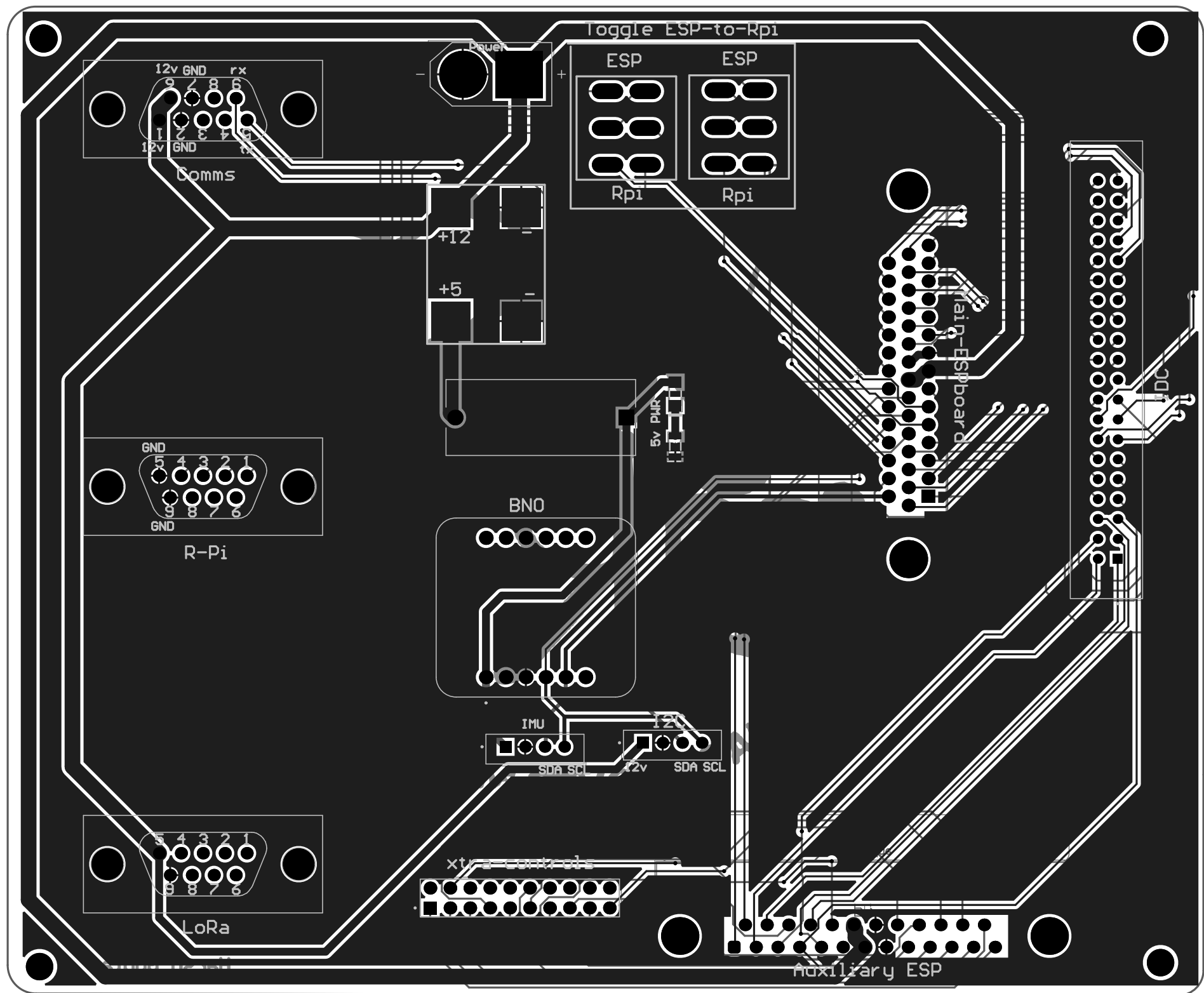


ESP-32-DevkitBoard



Title			
Size	Number	Revision	
A2	4.36.2025		
Date:	4.36.2025	Sheet of	
File:	C:\Users\...Motherboard-ERC-schem-SC	Drawn By:	



Comment	Description	Designator	Footprint	LibRef	Quantity
4754	Adafruit 9-DOF Orientation IMU Fusion Breakout - BNO085 (BNO080) - STEMMA QT/ Qwiic	BNO	MODULE_4754	4754	1
microbuck		buck	Micro buck	microbuck	1
DB9F	Adapter Connector D-Sub, 9 Pin Female To Modular, Female Jack, 8p8c_RJ45_Beige	Comms, LoRa, R-Pi	D-09F	DB9F	3
4527	Fuseholder; 5 A; 250 V; Nylon; Base only; Brass, Tin Plate (Contact)	Fuse	FUSE_4527	4527	1
3-1761603-3	AMP-LATCH 40 Position 2.54 mm Dual Row Through-Hole Straight Pin Header	IDC	TE_3-1761603-3	3-1761603-3	1
IMU	Connector Header Through Hole 4 position 0.098 (2.50mm)	JST, JST_I2C	JST_B4B-EH-A	B4B-EH-A	2
597-3311-407F	LED Green, 75 mW, 30 mA, -30 to 85 degC, 2-Pin SMD, RoHS, Tape and Reel	led	DIAL-597-3311-407F_V	CMP-2000-05651-1	1
L717HDB44PD1CH4F	CONN DSUB HD PLUG 44POS/R/A SLDR	Main-ESPboard	FP-L717HDB44PD1CH4F-MFG	CMP-02362-000001-1	1
618025231221		P?	618025231221	CMP-1502-00286-2	1
XT60-M	Plug; DC supply; XT60; male; PIN: 2; for cable; soldered; 30A; 500V	Power	AMASS_XT60-M	XT60-M	1
RC1206FR-07120RL	Chip Resistor, 120 Ohm, +/- 1%, 250 mW, -55 to 155 degC, 1206 (3216 Metric), RoHS, Tape and Reel	Resistor	RESC3116X65X40LL10 T20	CMP-2000-06965-1	1
toggle switch		toggle_switch, toggle_switch_2	toggle switch	toggle switch	2
10119109-920010LF		xtra-controls	AMPHENOL_10119109-920010LF	10119109-920010LF	1