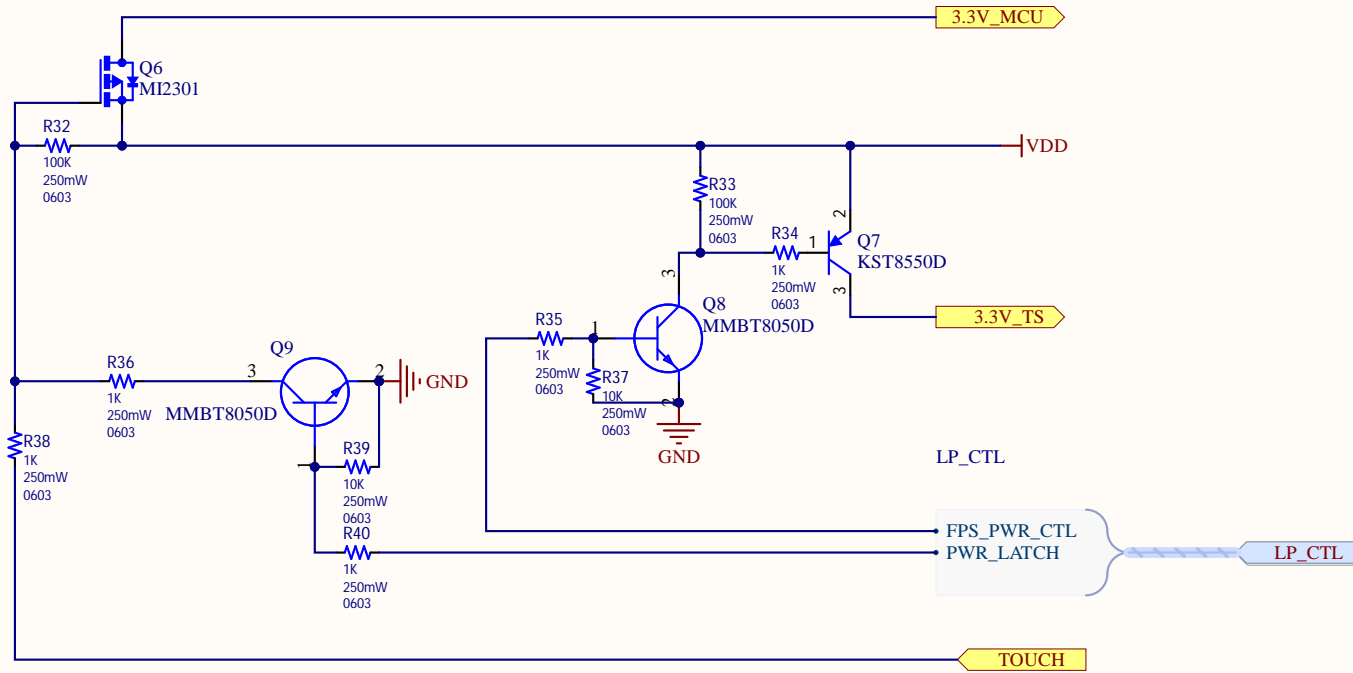
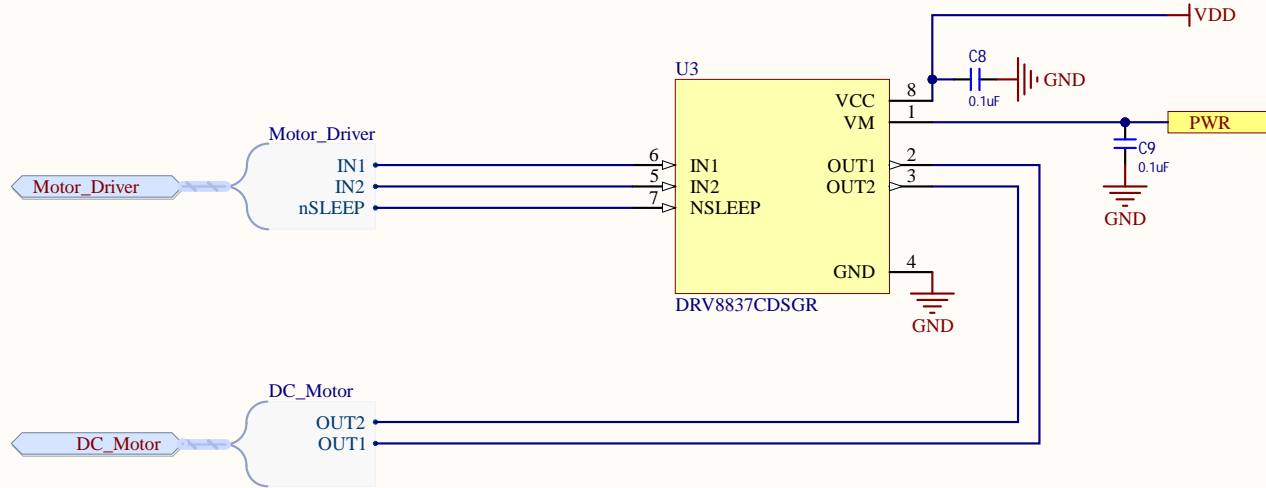


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A

A

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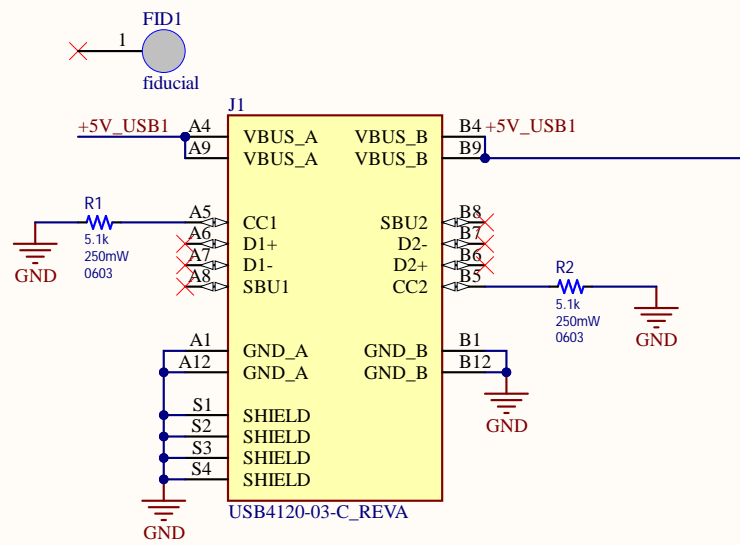
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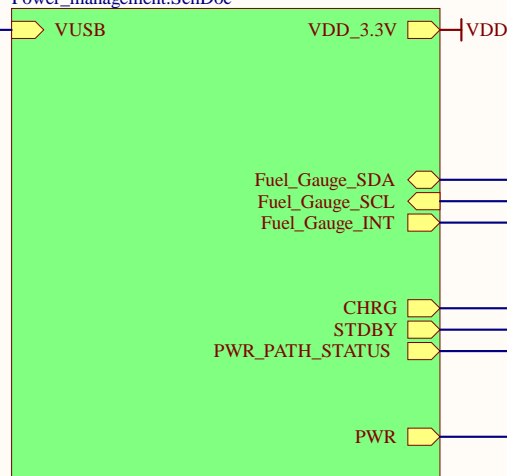
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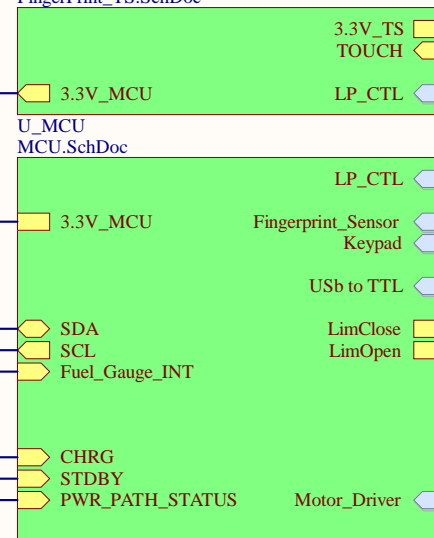
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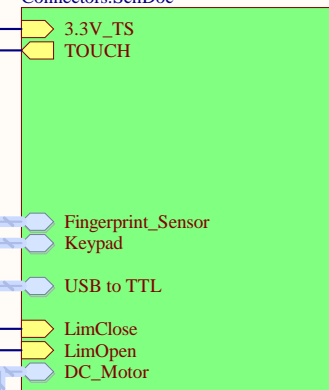
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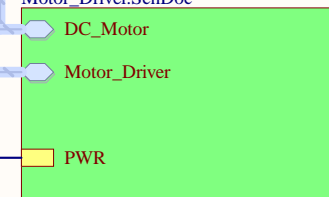
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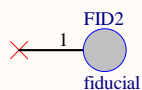
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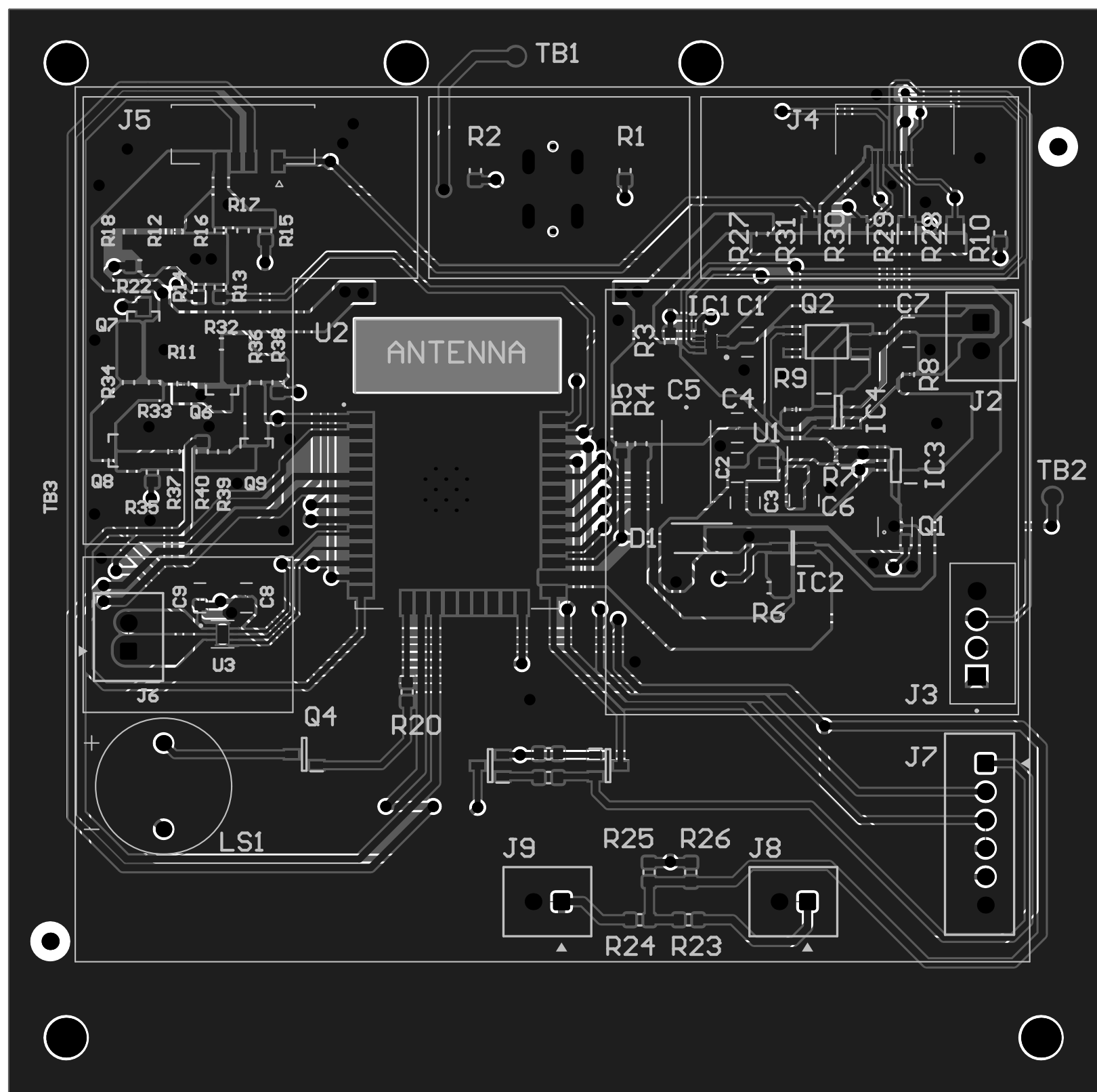


U\_Motor\_Driver  
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Designator	Comment	Description	Footprint	Quantity	Digi-Key_Part_Number	Manufacturer	Manufacturer 1	Manufacturer Part Number	Manufacturer Part Number 1	Manufacturer_Name	Manufacturer_Part_Number	MF	Mouser Part Number	MP	RoHS	RoHS Compliant
C1, C2, C4, C7, C8, C9	0.1uF	CAP	0603-C	6		TDK EPCOS		B37941K9105K62							Yes	
C3	22uF	CAP	0603-C	1		TDK EPCOS		B37941K9105K62							Yes	
C5	T493X227K010BH6420_220uF		CAPPM7343X430N	1								Kemet		T493X227K010BH6420		
C6	10nF	CAP	0603-C	1		TDK EPCOS		B37941K9105K62							Yes	
D1	SS34A	Diode	DIOM5026X262N	1						HY Electronic Corp	SS34A					
FID1, FID2	Fiducial	Fiducial		2												
IC1	MAX17048G+T10	Integrated Circuit	SON50P200X200X80-9N-D	1						Maxim Integrated	MAX17048G+T10		700-MAX17048G+T10			
IC2	TP4057-42-SOT26-R	Integrated Circuit	SOT195P280X125-6N	1						Nanjing Extension Microelectronics	TP4057-42-SOT26-R					
IC3	LTC4412HVIS6#TRMPBF	Integrated Circuit	SOT195P280X100-6N	1						Linear Technology	LTC4412HVIS6#TRMPBF		584-C4412HVIS6TRMPBF			
IC4	DW01A-G	Integrated Circuit	SOT195P280X135-6N	1						Fortune Semiconductor Corporation	DW01A-G					
J1	USB4120-03-C_REVA		GCT_USB4120-03-C_REVA	1								Global Connector Technology		USB4120-03-C		
J2, J6, J8, J9	455-2247-ND		CON_HDR1x2	4												
J3	B4B-XH-A(LF)(SN)	Connector Header Through Hole 4 position 0.098 (2.50mm)	JST_B4B-XH-A(LF)(SN)	1								JST Sales		B4B-XH-A(LF)(SN)		
J4	1-1734592-0	Connector	117345920	1						TE Connectivity	1-1734592-0		571-1-1734592-0			
J5	532610671	Conn Shrouded Header (4 Sides) HDR 6 POS 1.25mm Solder RA Side Entry SMD PicoBlade®,c T/R	MOLEX_532610671	1	WM7624CT-ND							Molex		532610671		
J7	B6B-XH-A	CONN HEADER VERT 6POS 2.5MM	CON_HDR1x6_2p50_SHRD_JST-B6B-XH-A	1		JST		B6BXHA(LF)(SN)							Yes	
LS1	AI-1223-TWT-3V-2-R	AUDIO INDICATOR 82 DB 3 VDC 2300 HZ	XDCR_AI-1223-TWT-3V-2-R	1								PUI Audio,		AI-1223-TWT-3V-2-R		
Q1	FDC606P	P-Channel 12V 6A (Ta) 1.6W (Ta) Surface Mount SuperSOTa,c-6	SUPERSOT-6	1								ON Semiconductor		FDC606P		
Q2	FS8205A	Transistor	SOP65P640X120-8N	1						SII Semiconductor	FS8205A					
Q3, Q4, Q5	MMBT2222A-G	Transistor BJT NPN	SOT195P240X115-3N	3						Comchip Technology	MMBT2222A-G		750-MMBT2222A-G			
Q6	M12301		SOT23	1										M12301		
Q7	KST8550D	Trans GP BJT PNP 45V 0.5A 350mW Automotive 3-Pin SOT-23 T/R	SOT23	1		Diodes		KST8550D							Yes	Yes
Q8, Q9	MMBT8050D	Transistor BJT NPN	SOT23	2						Comchip Technology	MMBT8050		MMBT8050			
R1, R2	5.1k		0603-R	2		Panasonic		ERJ-8GEYJ621V							Yes	Yes
R3, R4, R5, R10, R13, R14, R16, R17, R23, R24	4.7k		0603-R	10		Panasonic		ERJ-8GEYJ621V							Yes	Yes
R6	1.6k		0603-R	1		Panasonic		ERJ-8GEYJ621V							Yes	Yes
R7	470k		0603-R	1		Panasonic		ERJ-8GEYJ621V							Yes	Yes
R8, R22	100R		0603-R	2		Panasonic		ERJ-8GEYJ621V							Yes	Yes
R9, R34, R35, R36, R38, R40	1k		0603-R	6		Panasonic		ERJ-8GEYJ621V							Yes	Yes
R11, R12, R18, R25, R26, R27	NC		0603-R	6		Panasonic		ERJ-8GEYJ621V							Yes	Yes
R15	0R		0603-R	1		Panasonic		ERJ-8GEYJ621V							Yes	Yes
R19, R21	12k		0603-R	2		Panasonic		ERJ-8GEYJ621V							Yes	Yes
R20	220R		0603-R	1		Panasonic		ERJ-8GEYJ621V							Yes	Yes
R28, R29, R30	10K	Resistor	0603R	3												
R31	0R	Resistor	0603R	1												
R32, R33	100K		0603-R	2		Panasonic		ERJ-8GEYJ621V							Yes	Yes
R37, R39	10K		0603-R	2		Panasonic		ERJ-8GEYJ621V							Yes	Yes
TB1, TB2, TB3	Test_Pad		Test_Pad	3												
U1	SPX3819M5-L-3-3/TR	Linear Voltage Regulator IC 1 Output 500mA SOT-23-5	SOT23-5	1								MaxLinear, Inc.		SPX3819		
U2	Esp32	Bluetooth, WiFi Transceiver Module 2.4GHz - 2.5GHz Surface Mount	MODULE_ESP32-WROOM-32	1	1904-1010-1-ND							Espressif Systems		ESP32-WROOM-32		
U3	DRV8837CDSGR	11-V, 1-A H-bridge motor driver 8-WSON - 40 to 85	SON50P200X200X80-9N	1								Texas Instruments		DRV8837CDSGR		