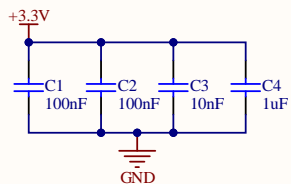
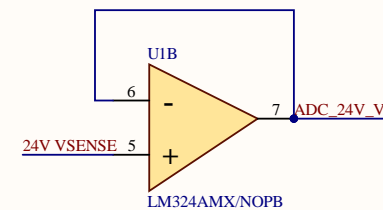
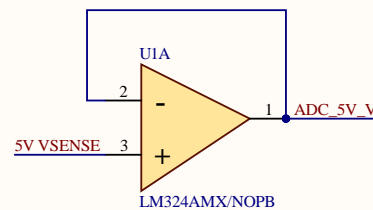
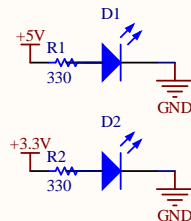


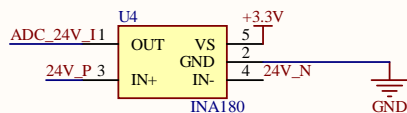
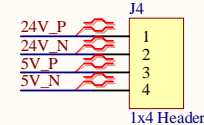
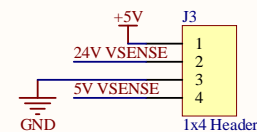
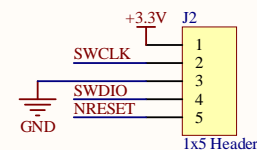
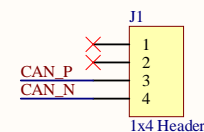
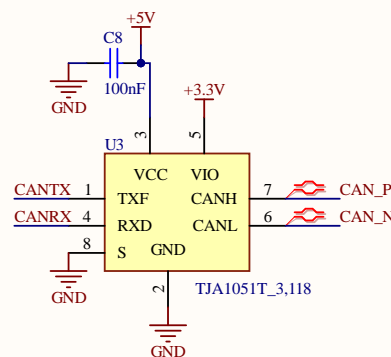
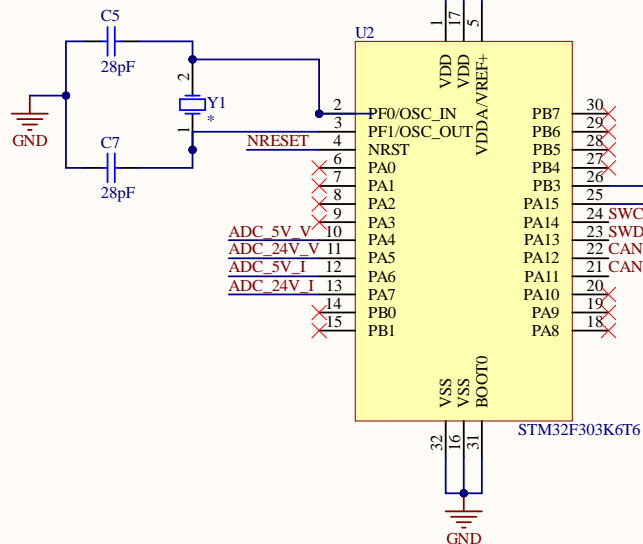
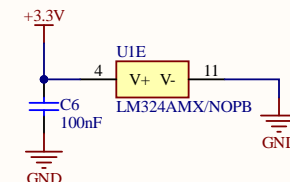
Designator	Value	Footprint	Manufacturer	Manufacturer Part Number	Supplier	Supplier Part Number	Quantity
C1, C2, C6, C8	100nF	0805 - Capacitor				311-1140-1-ND	4
C3	10nF	0805 - Capacitor				311-1136-1-ND	1
C4	1uF	0805 - Capacitor				311-1886-1-ND	1
C5, C7	28pF	0805 - Capacitor				1276-2622-1-ND	2
C9, C10	10uF	0805 - Capacitor				490-14381-1-ND	2
D1, D2		0805 - Resistor				732-4986-1-ND	2
D3		0805 - Resistor				732-4987-1-ND	1
D4		0805 - Resistor				732-4984-1-ND	1
J1, J3, J4		B4B-XH					3
J2		HDR1X5					1
R1, R2, R3, R4	330	0603 - Resistor				311-330HRCT-ND	4
U1		LM324AMX/NOPB					1
U2		QFP80P900X900X 160-32N					1
U3		TJA1051T/3,118	NXP	TJA1051T/3,118	Digikey	568-8684-1-ND	1
U4, U6		INA180	Texas Instruments	INA180A2IDBVR	Digikey	296-47653-1-ND	2
U5		TLV1117	Texas Instruments	TLV1117-33IDCYR	Digikey	296-21112-1-ND	1
Y1		2-SMD NO LEAD CRSYSTAL				478-6970-1-ND	1



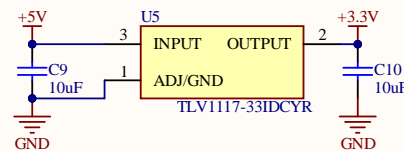
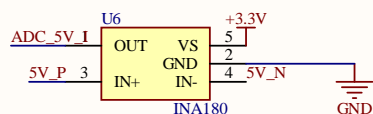
Connected to pins 1, 5, and 17



Voltage sensor sensing X volts per volt



Current sensor sensing X volts per amp



Title Elekid_MCU		
Size A4	Number	Revision
Date: 4/10/2021	Sheet of	
File: C:\Users\...\Elekid_MCU.SchDoc	Drawn By:	

