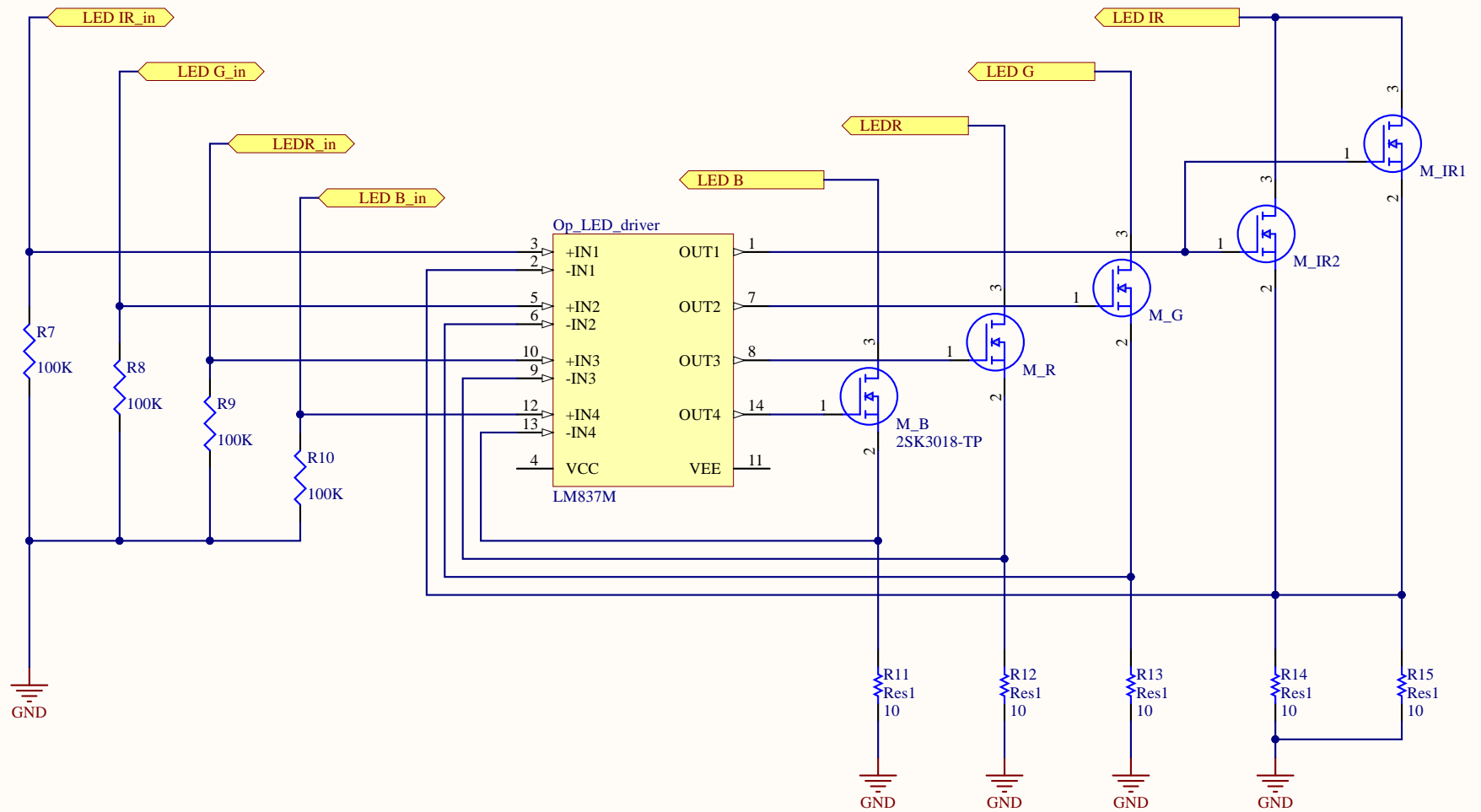
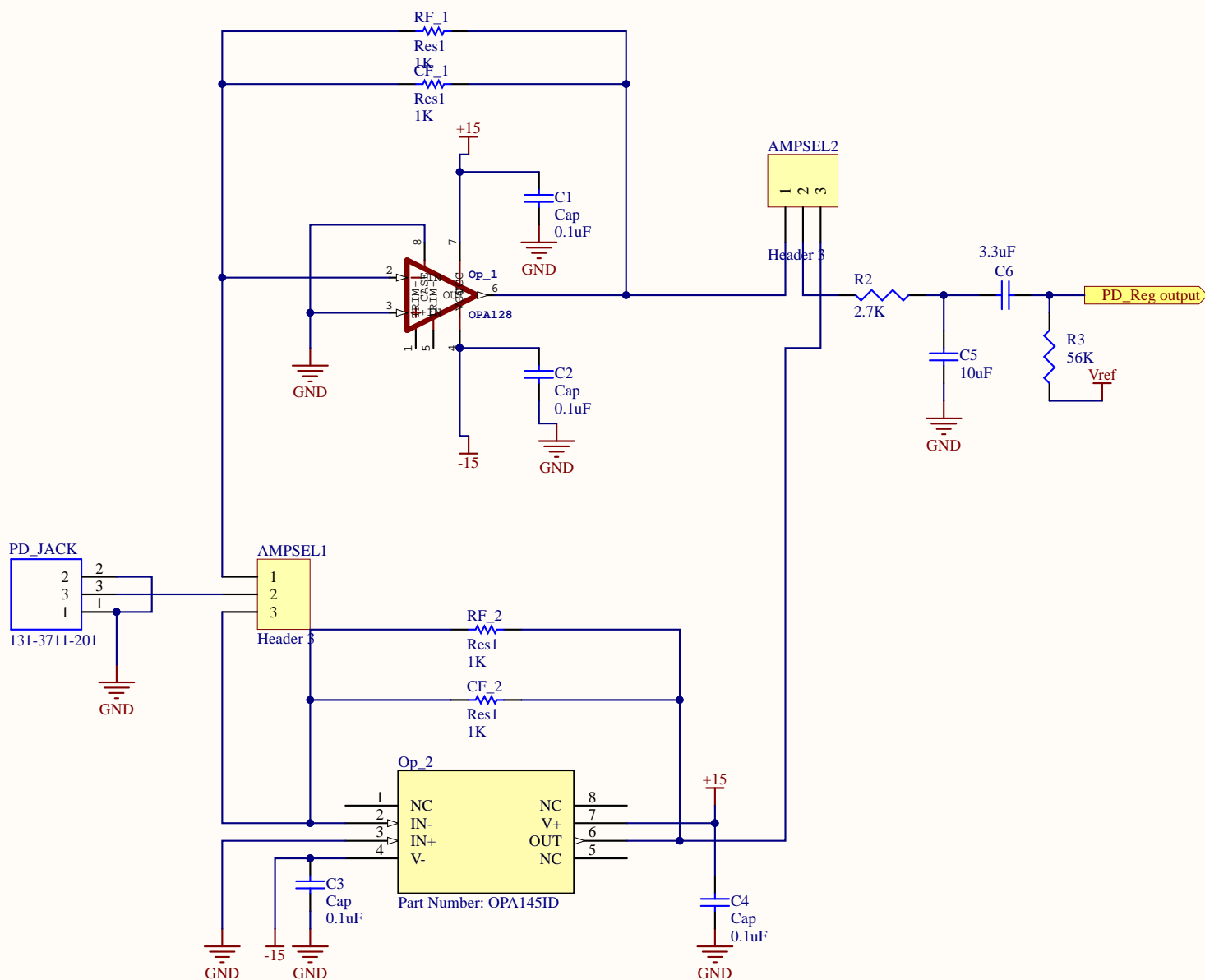


Title		
External Connectors		
Size	Number	Revision
A		
Date:	2/18/2020	Sheet of
File:	C:\Users\...\External_Connectors.SchDoc	Drawn By: Lauren Choquer

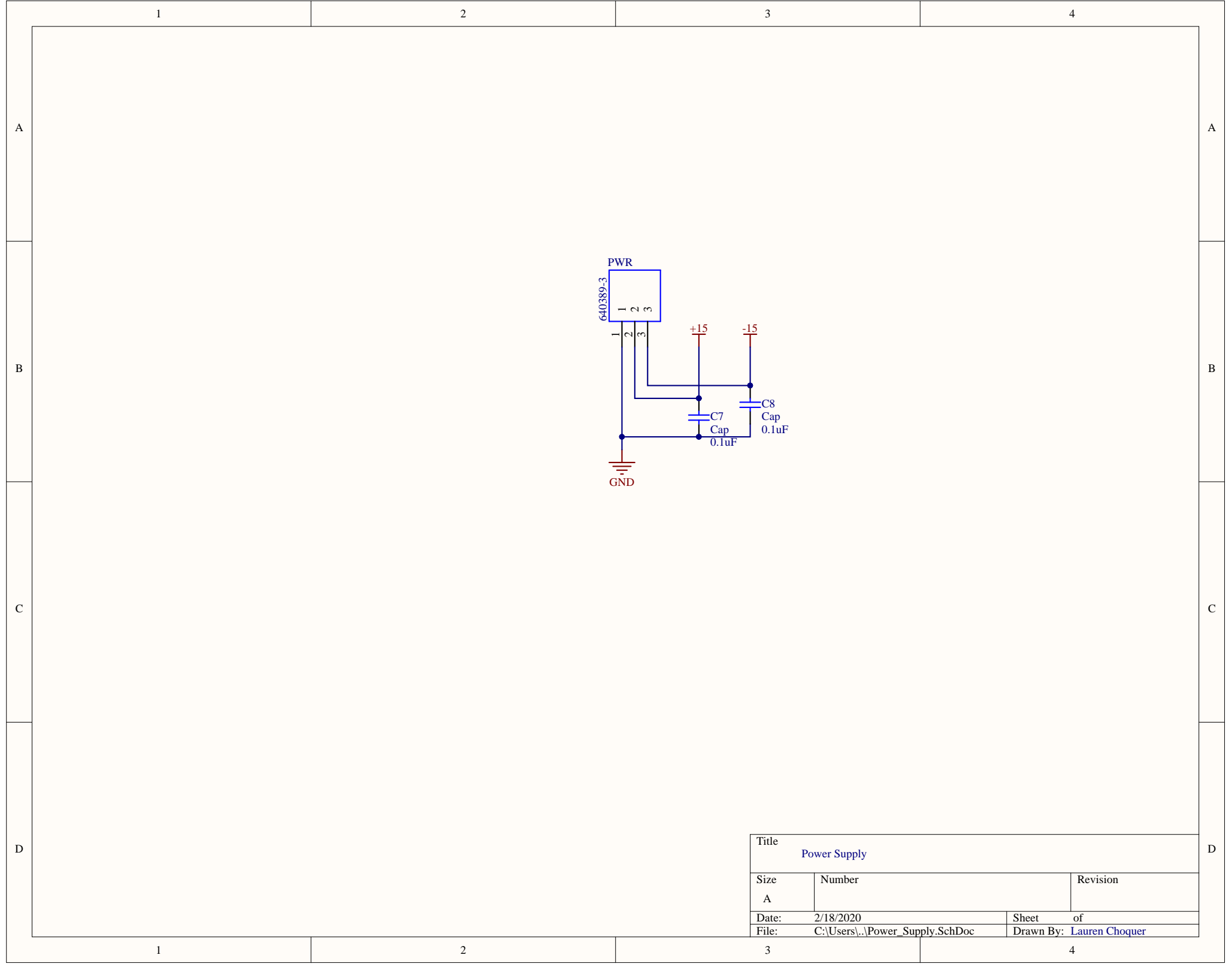


Title		
LED Drivers		
Size	Number	Revision
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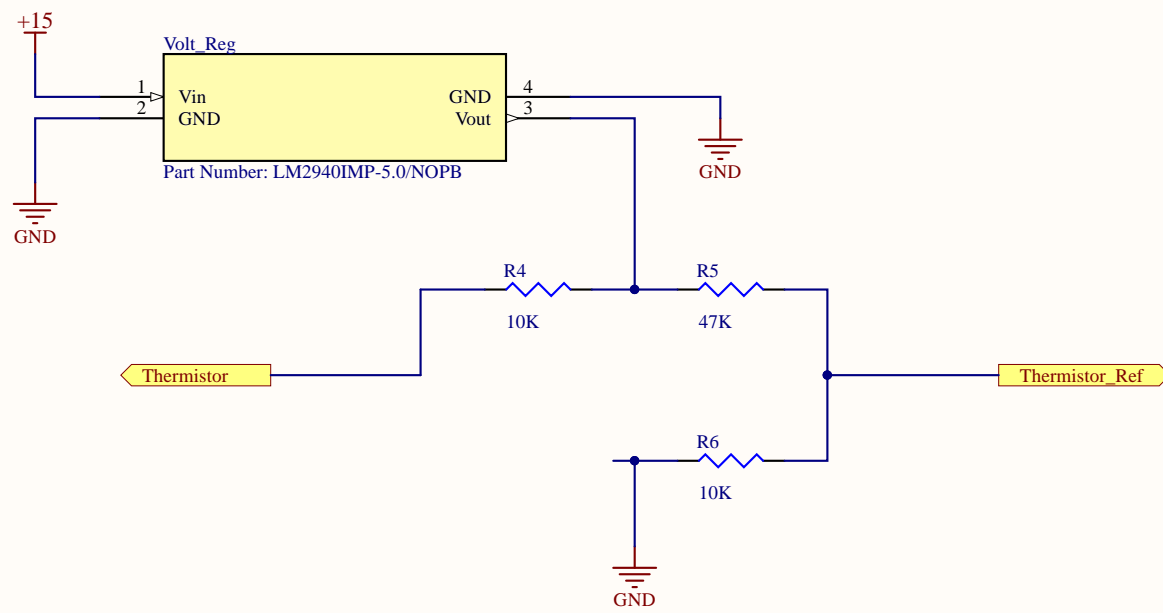


Note: Only one op-amp circuit will be in use at a time. Rp resistors are placeholders to select which circuit will be in use, for testing purposes.

Title		
Photodiode Circuit		
Size	Number	Revision
A		
Date:	2/18/2020	Sheet of
File:	C:\Users\...\Photodiode_Circuit.SchDoc	Drawn By: Lauren Choquer



Title			
Power Supply			
Size	Number		Revision
A			
Date:	2/18/2020	Sheet	of
File:	C:\Users\...\Power_Supply.SchDoc	Drawn By:	Lauren Choquer



Title			
Size	Number		Revision
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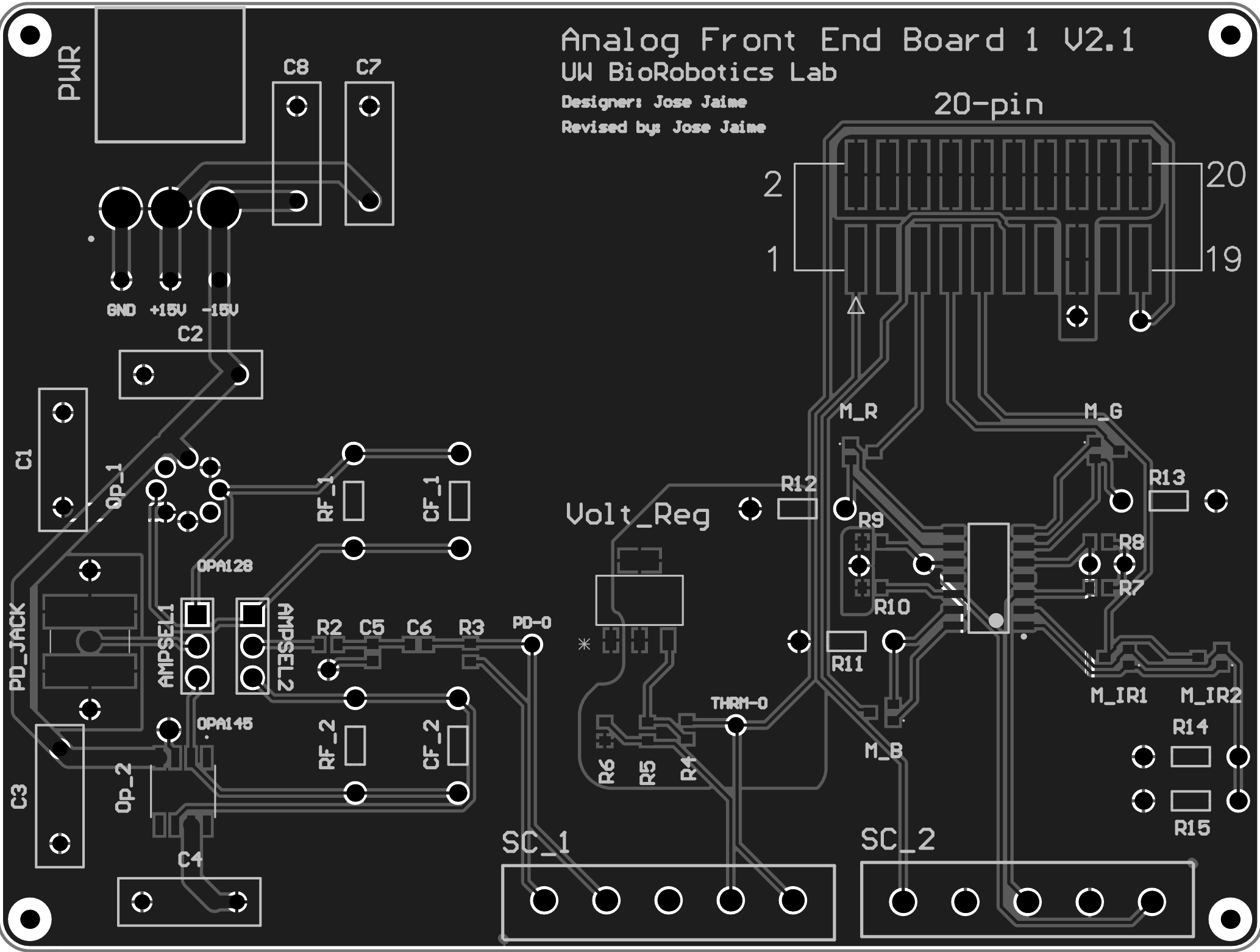
Analog Front End Board 1 V2.1

UW BioRobotics Lab

Designer: Jose Jaime

Revised by: Jose Jaime

20-pin



Comment	Description	Designator	Footprint	LibRef	Quantity
N2520-6V0C-RB-WE	2500 Series Low Prof	20-pin	*3M_N2520-6V0C-RB	N2520-6V0C-RB-WE	1
Header 3	Header, 3-Pin	AMPSEL1, AMPSEL2	HDR1X3	Header 3	2
Cap	Capacitor	C1, C2, C3, C4, C7, C	RAD-0.3	Cap	6
Cap	Capacitor	C5, C6	1608[0603]	Cap	2
Res1	Resistor	CF_1, CF_2, R11, R1	AXIAL-0.3	Res1	9
2SK3018-TP	MOSFET N-Channel M	M_B, M_G, M_IR1, M	2SK3018TP	2SK3018-TP	5
OPA128		Op_1	TO-99	OPA128	1
Part Number: OPA145	No Description Availa	Op_2	D0008A_N	OPA145ID	1
LM837M	Low Noise Quad Oper	Op_LED_driver	D0014A_M	CMP-0057-00361-3	1
131-3711-201	Straight SMB Connect	PD_JACK	1313711201	131-3711-201	1
640389-3	3 way r/a friction lock	PWR	640389-3	640389-3	1
Resistor	Resistor	R2, R3	J1-0603	Res3	2
Res3	Resistor	R4, R5, R6, R7, R8, R	J1-0603	Res3	7
Component_1		SC_1, SC_2	PCBComponent_1	Component_1	2
Part Number: LM2940	No Description Availa	Volt_Reg	MP04A	LM2940IMP-5.0/NO	1