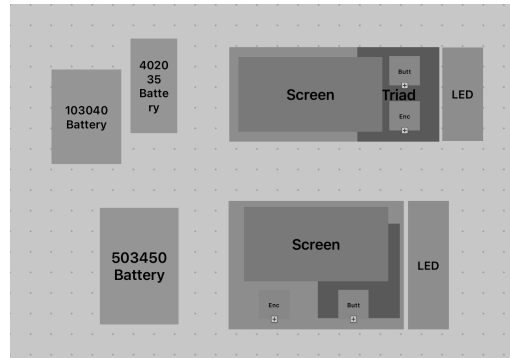


RP2040

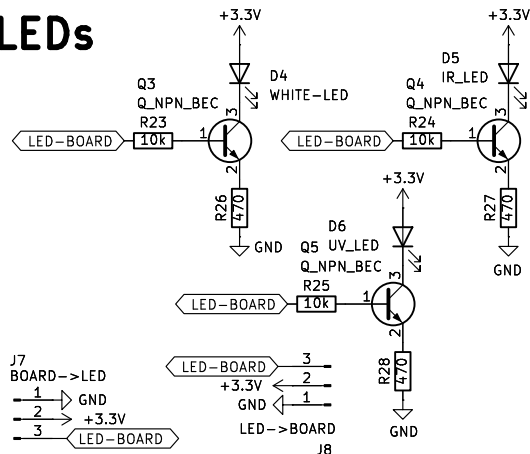


File: RP2040.kicad_sch

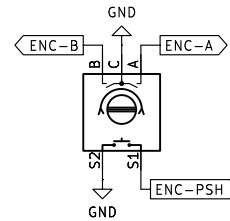
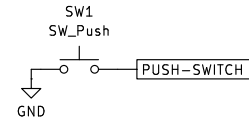
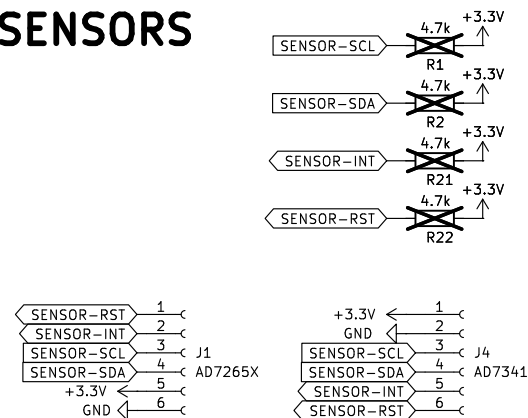
POWER

File: POWER.kicad_sch

LEDs



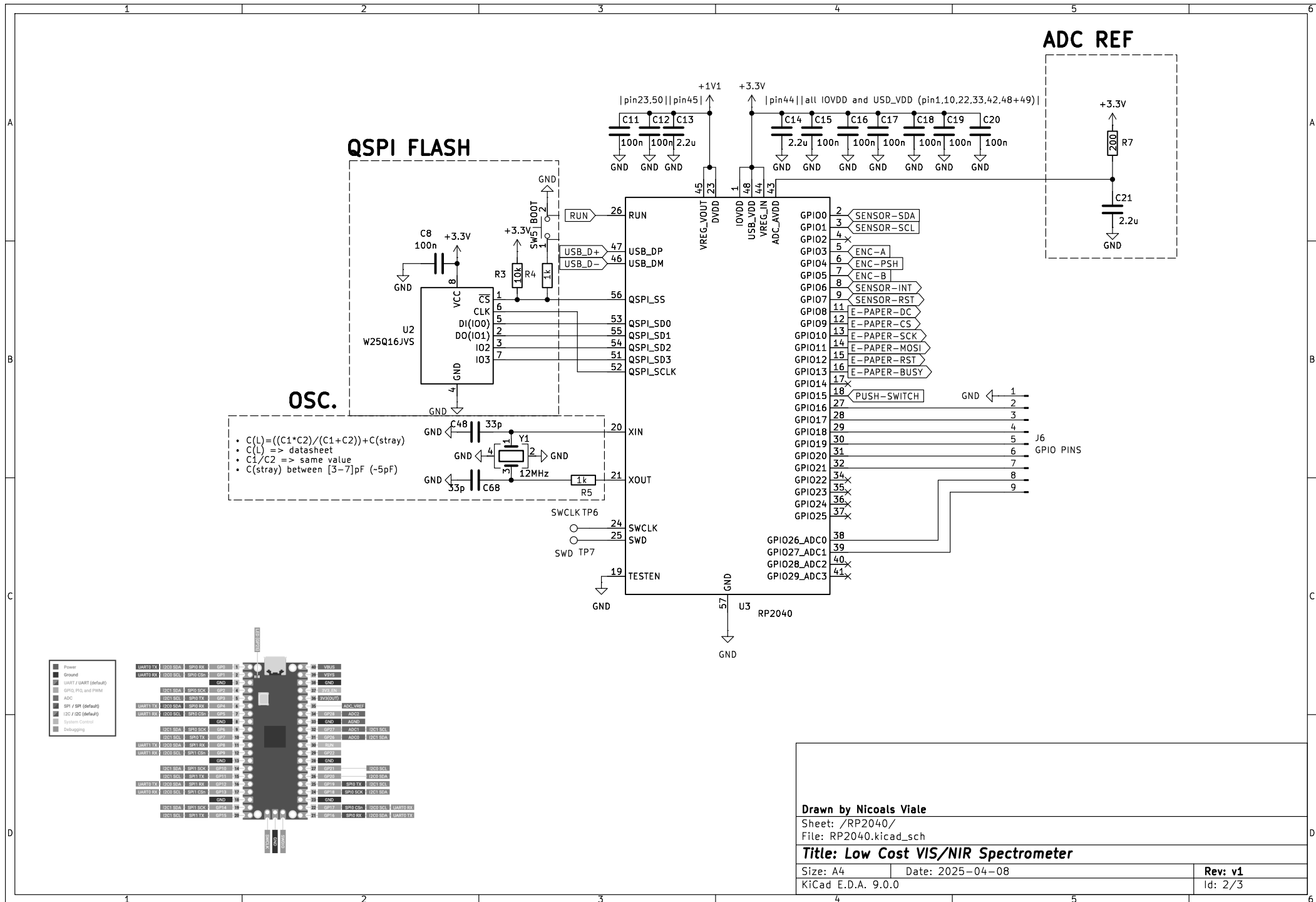
SENSORS



SW2
RotaryEncoder_Switch

ENCODER & BUTTON

i		j			wPi
	P 3V3	P1	3V3	RPI 3V3	3V3
	P 5VSDA1	P2	5V	RPI 5V	5V
	P 5VSDA1	P3	5V	RPI 5V	5V
	P 5VSDA1	P4	5V	RPI 5V	5V
	P 5VSDA1	P5	5V	RPI 5V	5V
	P 5VSDA1	P6	5V	RPI 5V	5V
	P 5VSDA1	P7	5V	RPI 5V	5V
	P 5VSDA1	P8	5V	RPI 5V	5V
	P 5VSDA1	P9	5V	RPI 5V	5V
	P 5VSDA1	P10	5V	RPI 5V	5V
	P 5VSDA1	P11	5V	RPI 5V	5V
	P 5VSDA1	P12	5V	RPI 5V	5V
	P 5VSDA1	P13	5V	RPI 5V	5V
	P 5VSDA1	P14	5V	RPI 5V	5V
	P 5VSDA1	P15	5V	RPI 5V	5V
	P 5VSDA1	P16	5V	RPI 5V	5V
	P 5VSDA1	P17	5V	RPI 5V	5V
	P 5VSDA1	P18	5V	RPI 5V	5V
	P 5VSDA1	P19	5V	RPI 5V	5V
	P 5VSDA1	P20	5V	RPI 5V	5V
	P 5VSDA1	P21	5V	RPI 5V	5V
	P 5VSDA1	P22	5V	RPI 5V	5V
	P 5VSDA1	P23	5V	RPI 5V	5V
	P 5VSDA1	P24	5V	RPI 5V	5V
	P 5VSDA1	P25	5V	RPI 5V	5V
	P 5VSDA1	P26	5V	RPI 5V	5V
	P 5VSDA1	P27	5V	RPI 5V	5V
	P 5VSDA1	P28	5V	RPI 5V	5V
	P 5VSDA1	P29	5V	RPI 5V	5V
	P 5VSDA1	P30	5V	RPI 5V	5V
	P 5VSDA1	P31	5V	RPI 5V	5V
	P 5VSDA1	P32	5V	RPI 5V	5V
	P 5VSDA1	P33	5V	RPI 5V	5V
	P 5VSDA1	P34	5V	RPI 5V	5V
	P 5VSDA1	P35	5V	RPI 5V	5V
	P 5VSDA1	P36	5V	RPI 5V	5V
	P 5VSDA1	P37	5V	RPI 5V	5V
	P 5VSDA1	P38	5V	RPI 5V	5V
	P 5VSDA1	P39	5V	RPI 5V	5V
	P 5VSDA1	P40	5V	RPI 5V	5V
	P 5VSDA1	P41	5V	RPI 5V	5V
	P 5VSDA1	P42	5V	RPI 5V	5V
	P 5VSDA1	P43	5V	RPI 5V	5V
	P 5VSDA1	P44	5V	RPI 5V	5V
	P 5VSDA1	P45	5V	RPI 5V	5V
	P 5VSDA1	P46	5V	RPI 5V	5V
	P 5VSDA1	P47	5V	RPI 5V	5V
	P 5VSDA1	P48	5V	RPI 5V	5V
	P 5VSDA1	P49	5V	RPI 5V	5V
	P 5VSDA1	P50	5V	RPI 5V	5V
	P 5VSDA1	P51	5V	RPI 5V	5V
	P 5VSDA1	P52	5V	RPI 5V	5V
	P 5VSDA1	P53	5V	RPI 5V	5V
	P 5VSDA1	P54	5V	RPI 5V	5V
	P 5VSDA1	P55	5V	RPI 5V	5V
	P 5VSDA1	P56	5V	RPI 5V	5V
	P 5VSDA1	P57	5V	RPI 5V	5V
	P 5VSDA1	P58	5V	RPI 5V	5V
	P 5VSDA1	P59	5V	RPI 5V	5V
	P 5VSDA1	P60	5V	RPI 5V	5V
	P 5VSDA1	P61	5V	RPI 5V	5V
	P 5VSDA1	P62	5V	RPI 5V	5V
	P 5VSDA1	P63	5V	RPI 5V	5V
	P 5VSDA1	P64	5V	RPI 5V	5V
	P 5VSDA1	P65	5V	RPI 5V	5V
	P 5VSDA1	P66	5V	RPI 5V	5V
	P 5VSDA1	P67	5V	RPI 5V	5V
	P 5VSDA1	P68	5V	RPI 5V	5V
	P 5VSDA1	P69	5V	RPI 5V	5V
	P 5VSDA1	P70	5V	RPI 5V	5V
	P 5VSDA1	P71	5V	RPI 5V	5V
	P 5VSDA1	P72	5V	RPI 5V	5V
	P 5VSDA1	P73	5V	RPI 5V	5V
	P 5VSDA1	P74	5V	RPI 5V	5V
	P 5VSDA1	P75	5V	RPI 5V	5V
	P 5VSDA1	P76	5V	RPI 5V	5V
	P 5VSDA1	P77	5V	RPI 5V	5V
	P 5VSDA1	P78	5V	RPI 5V	5V
	P 5VSDA1	P79	5V	RPI 5V	5V
	P 5VSDA1	P80	5V	RPI 5V	5V
	P 5VSDA1	P81	5V	RPI 5V	5V
	P 5VSDA1	P82	5V	RPI 5V	5V
	P 5VSDA1	P83	5V	RPI 5V	5V
	P 5VSDA1	P84	5V	RPI 5V	5V
	P 5VSDA1	P85	5V	RPI 5V	5V
	P 5VSDA1	P86	5V	RPI 5V	5V
	P 5VSDA1	P87	5V	RPI 5V	5V
	P 5VSDA1	P88	5V	RPI 5V	5V
	P 5VSDA1	P89	5V	RPI 5V	5V
	P 5VSDA1	P90	5V	RPI 5V	5V
	P 5VSDA1	P91	5V	RPI 5V	5V
	P 5VSDA1	P92	5V	RPI 5V	5V
	P 5VSDA1	P93	5V	RPI 5V	5V
	P 5VSDA1	P94	5V	RPI 5V	5V
	P 5VSDA1	P95	5V	RPI 5V	5V
	P 5VSDA1	P96	5V	RPI 5V	5V
	P 5VSDA1	P97	5V	RPI 5V	5V
	P 5VSDA1	P98	5V	RPI 5V	5V
	P 5VSDA1	P99	5V	RPI 5V	5V
	P 5VSDA1	P100	5V	RPI 5V	5V
	P 5VSDA1	P101	5V	RPI 5V	5V
	P 5VSDA1	P102	5V	RPI 5V	5V
	P 5VSDA1	P103	5V	RPI 5V	5V
	P 5VSDA1	P104	5V	RPI 5V	5V
	P 5VSDA1	P105	5V	RPI 5V	5V
	P 5VSDA1	P106	5V	RPI 5V	5V
	P 5VSDA1	P107	5V	RPI 5V	5V
	P 5VSDA1	P108	5V	RPI 5V	5V
	P 5VSDA1	P109	5V	RPI 5V	5V
	P 5VSDA1	P110	5V	RPI 5V	5V
	P 5VSDA1	P111	5V	RPI 5V	5V
	P 5VSDA1	P112	5V	RPI 5V	5V
	P 5VSDA1	P113	5V	RPI 5V	5V
	P 5VSDA1	P114	5V	RPI 5V	5V
	P 5VSDA1	P115	5V	RPI 5V	5V
	P 5VSDA1	P116	5V	RPI 5V	5V
	P 5VSDA1	P117	5V	RPI 5V	5V
	P 5VSDA1	P118	5V	RPI 5V	5V
	P 5VSDA1	P119	5V	RPI 5V	5V
	P 5VSDA1	P120	5V	RPI 5V	5V
	P 5VSDA1	P121	5V	RPI 5V	5V
	P 5VSDA1	P122	5V	RPI 5V	5V
	P 5VSDA1	P123	5V	RPI 5V	5V
	P 5VSDA1	P124	5V	RPI 5V	5V
	P 5VSDA1	P125	5V	RPI 5V	5V
	P 5VSDA1	P126	5V	RPI 5V	5V
	P 5VSDA1	P127	5V	RPI 5V	5V
	P 5VSDA1	P128	5V	RPI 5V	5V
	P 5VSDA1	P129	5V	RPI 5V	5V
	P 5VSDA1	P130	5V	RPI 5V	5V
	P 5VSDA1	P131	5V	RPI 5V	5V
	P 5VSDA1	P132	5V	RPI 5V	5V
	P 5VSDA1	P133	5V	RPI 5V	5V
	P 5VSDA1	P134	5V	RPI 5V	5V
	P 5VSDA1	P135	5V	RPI 5V	5V
	P 5VSDA1	P136	5V	RPI 5V	5V
	P 5VSDA1	P137	5V	RPI 5V	5V
	P 5VSDA1	P138	5V	RPI 5V	5V
	P 5VSDA1	P139	5V	RPI 5V	5V
	P 5VSDA1	P140	5V	RPI 5V	5V
	P 5VSDA1	P141	5V	RPI 5V	5V
	P 5VSDA1	P142	5V	RPI 5V	5V
	P 5VSDA1	P143	5V	RPI 5V	5V
	P 5VSDA1	P144	5V	RPI 5V	5V
	P 5VSDA1	P145	5V	RPI 5V	5V
	P 5VSDA1	P146	5V	RPI 5V	5V
	P 5VSDA1	P147	5V	RPI 5V	5V
	P 5VSDA1	P148	5V	RPI 5V	5V
	P 5VSDA1	P149	5V	RPI 5V	5V
	P 5VSDA1	P150	5V	RPI 5V	5V
	P 5VSDA1	P151	5V	RPI 5V	5V
	P 5VSDA1	P152	5V	RPI 5V	5V
	P 5VSDA1	P153	5V	RPI 5V	5V
	P 5VSDA1	P154	5V	RPI 5V	5V
	P 5VSDA1	P155	5V	RPI 5V	5V
	P 5VSDA1	P156	5V	RPI 5V	5V
	P 5VSDA1	P157	5V	RPI 5V	5V
	P 5VSDA1	P158	5V	RPI 5V	5V
	P 5VSDA1	P159	5V	RPI 5V	5V
	P 5VSDA1	P160	5V	RPI 5V	5V
	P 5VSDA1	P161	5V	RPI 5V	5V
	P 5VSDA1	P162	5V	RPI 5V	5V
	P 5VSDA1	P163	5V	RPI 5V	5V
	P 5VSDA1	P164	5V	RPI 5V	5V
	P 5VSDA1	P165	5V	RPI 5V	5V
	P 5VSDA1	P166	5V	RPI 5V	5V
	P 5VSDA1	P167	5V	RPI 5V	5V
	P 5VSDA1	P168	5V	RPI 5V	5V
	P 5VSDA1	P169	5V	RPI 5V	5V
	P 5VSDA1	P170	5V	RPI 5V	5V
	P 5VSDA1	P171	5V	RPI 5V	5V
	P 5VSDA1	P172	5V	RPI 5V	5V
	P 5VSDA1	P173	5V	RPI 5V	5V
	P 5VSDA1	P174	5V	RPI 5V	5V
	P 5VSDA1	P175	5V	RPI 5V	5V
	P 5VSDA1	P176	5V	RPI 5V	5V
	P 5VSDA1	P177	5V	RPI 5V	5V
	P 5VSDA1	P178	5V	RPI 5V	5V
	P 5VSDA1	P179	5V	RPI 5V	5V
	P 5VSDA1	P180	5V	RPI 5V	5V
	P 5VSDA1	P181	5V	RPI 5V	5V
	P 5VSDA1	P182	5V	RPI 5V	5V
	P 5VSDA1	P183	5V	RPI 5V	5V
	P 5VSDA1	P184	5V	RPI 5V	5V
	P 5VSDA1	P185	5V	RPI 5V	5V
	P 5VSDA1	P186	5V	RPI 5V	5V
	P 5VSDA1	P187	5V	RPI 5V	5V
	P 5VSDA1	P188	5V	RPI 5V	5V
	P 5VSDA1	P189	5V	RPI 5V	5V
	P 5VSDA1	P190	5V	RPI 5V	5V
	P 5VSDA1	P191	5V	RPI 5V	5V
	P 5VSDA1	P192	5V	RPI 5V	5V
	P 5VSDA1	P193	5V	RPI 5V	5V
	P 5VSDA1	P194	5V	RPI 5V	5V
	P 5VSDA1	P195	5V	RPI 5V	5V
	P 5VSDA1	P196	5V	RPI 5V	5V
	P 5VSDA1	P197	5V	RPI 5V	5V
	P 5VSDA1	P198	5V	RPI 5V	5V
	P 5VSDA1	P199	5V	RPI 5V	5V
	P 5VSDA1	P200	5V	RPI 5V	5V
	P 5VSDA1	P201	5V	RPI 5V	5V
	P 5VSDA1	P202	5V	RPI 5V	5V
	P 5VSDA1	P203	5V	RPI 5V	5V
	P 5VSDA1	P204	5V	RPI 5V	5V
	P 5VSDA1	P205	5V	RPI 5V	5V
	P 5VSDA1	P206	5V	RPI 5V	5V
	P 5VSDA1	P207	5V	RPI 5V	5V
	P 5VSDA1	P208	5V	RPI 5V	5V
	P 5VSDA1	P209	5V	RPI 5V	5V
	P 5VSDA1	P210	5V	RPI 5V	5V
	P 5VSDA1	P211	5V	RPI 5V	5V
	P 5VSDA1	P212	5V	RPI 5V	5V
	P 5VSDA1	P213	5V	RPI 5V	5V
	P 5VSDA1	P214	5V	RPI 5V	5V
	P 5VSDA1	P215	5V	RPI 5V	5V
	P 5VSDA1	P216	5V	RPI 5V	5V
	P 5VSDA1	P217	5V	RPI 5V	5V
	P 5VSDA1	P218	5V	RPI 5V	5V
	P 5VSDA1	P219	5V	RPI 5V	5V
	P 5VSDA1	P220	5V	RPI 5V	5V
	P 5VSDA1	P221	5V	RPI 5V	5V
	P 5VSDA1	P222	5V	RPI 5V	5V
	P 5VSDA1	P223	5V	RPI 5V	5V
	P 5VSDA1	P224	5V	RPI 5V	5V
	P 5VSDA1	P225	5V	RPI 5V	5V
	P 5VSDA1	P226	5V	RPI 5V	5V
	P 5VSDA1	P227	5V	RPI 5V	5V
	P 5VSDA1	P228	5V	RPI 5V	5V
	P 5VSDA1	P229	5V	RPI 5V	5V
	P 5VSDA1	P230	5V	RPI 5V	5V
	P 5VSDA1	P231	5V	RPI 5V	5V
	P 5VSDA1	P232	5V	RPI 5V	5V
	P 5VSDA1	P233	5V	RPI 5V	5V
	P 5VSDA1	P234	5V	RPI 5V	5V
	P 5VSDA1	P235	5V	RPI 5V	5V
	P 5VSDA1	P236	5V	RPI 5V	5V
	P 5VSDA1	P237	5V	RPI 5V	5V
	P 5VSDA1	P238	5V	RPI 5V	5V
	P 5VSDA1	P239	5V	RPI 5V	5V
	P 5VSDA1	P240	5V	RPI 5V	5V
	P 5VSDA1	P241	5V	RPI 5V	5V
	P 5VSDA1	P242	5V	RPI 5V	5V
	P 5VSDA1	P243	5V	RPI 5V	5V
	P 5VSDA1	P244	5V	RPI 5V	5V
	P 5VSDA1	P245	5V	RPI 5V	5V
	P 5VSDA1	P246	5V	RPI 5V	5V
	P 5VSDA1	P247	5V	RPI 5V	5V
	P 5VSDA1	P248	5V	RPI 5V	5V
	P 5VSDA1	P249	5V	RPI 5V	5V



Drawn by Nicoals Viale

Sheet: /RP2040/

File: RP2040.kicad_sch

Title: Low Cost VIS/NIR Spectrometer

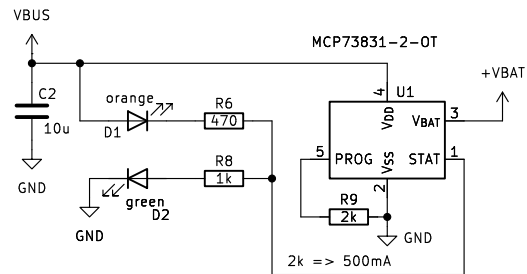
Size: A4

Date: 2025-04-08

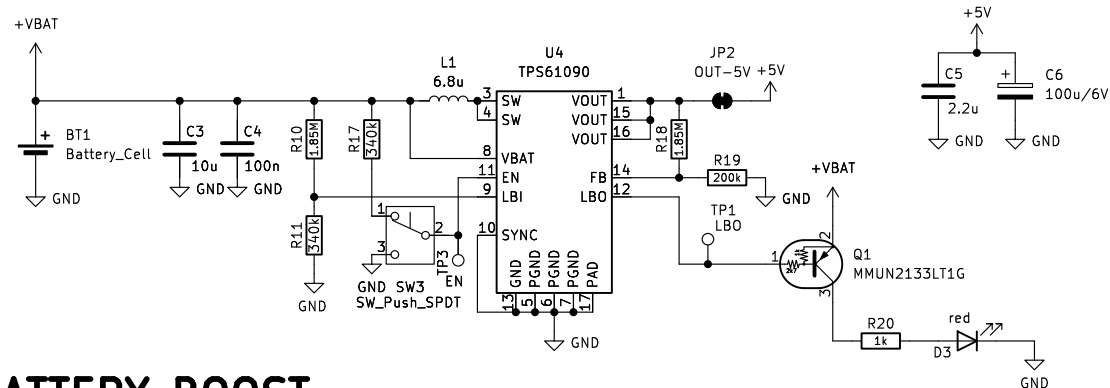
KiCad E.D.A. 9.0.0

Rev: v1

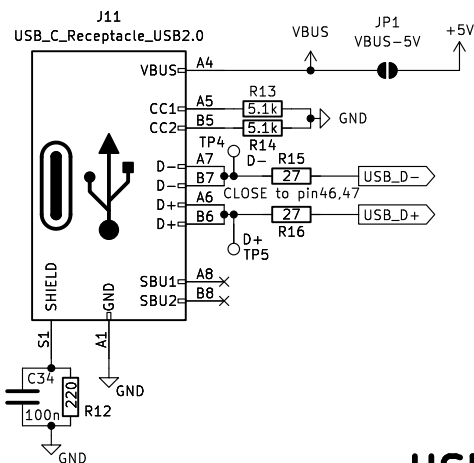
Id: 2/3



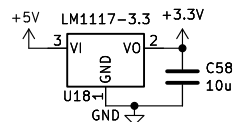
BATTERY CHARGER



BATTERY BOOST



USB-C



3.3V REG

Drawn by Nicolas Viale

Sheet: /POWER/

File: POWER.kicad_sch

Title: Low Cost VIS/NIR Spectrometer

Size: A4

Date: 2025-04-08

Rev: v1

KiCad E.D.A. 9.0.0

Id: 3/3