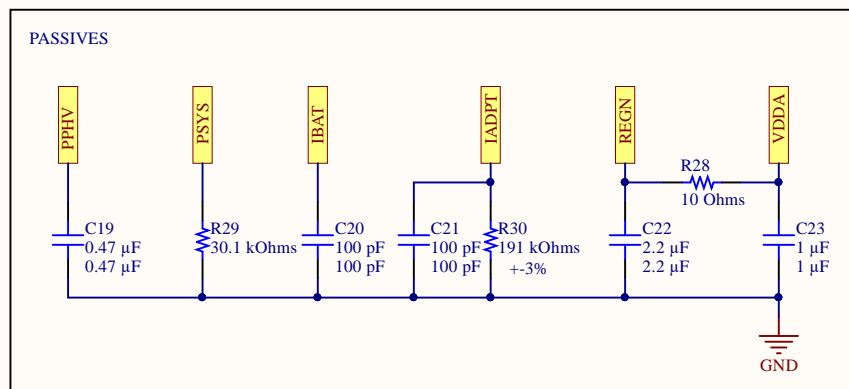
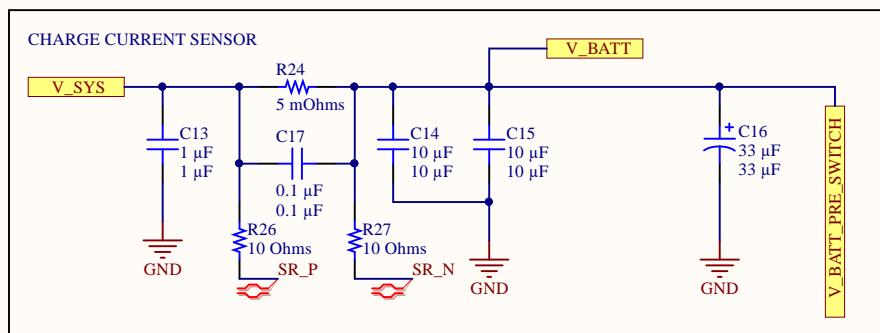
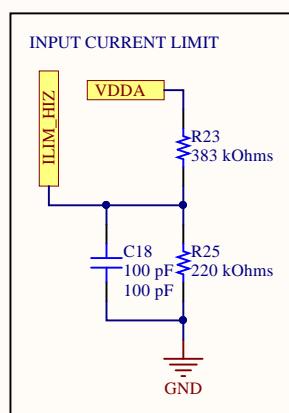
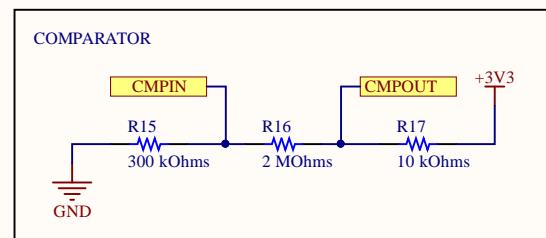
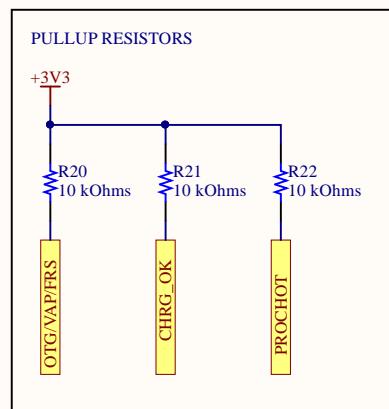
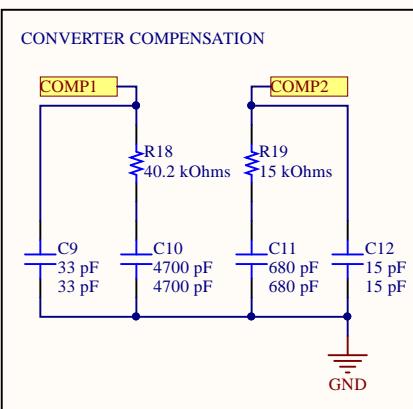
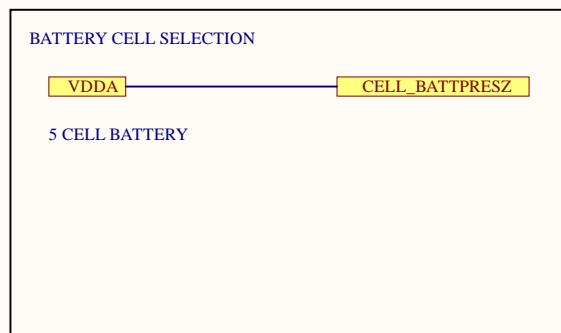


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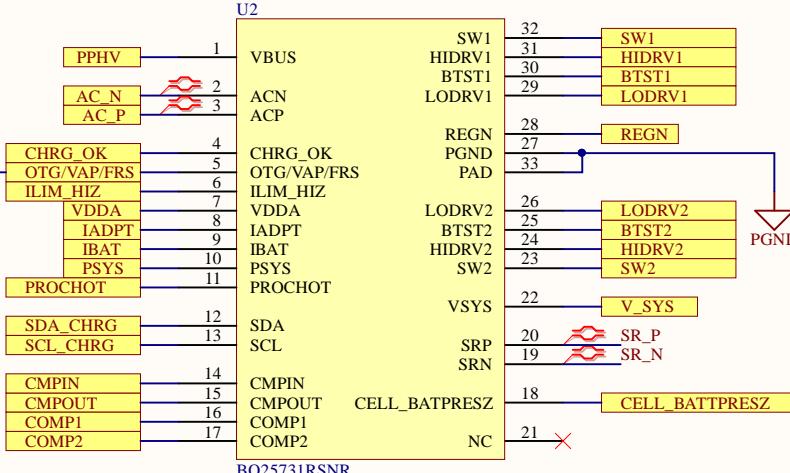
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OTG PIN MAY BE
CONTROLLED BY PD IC

GPIO1_PD



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Revision

Date: 25/08/2023

Sheet of

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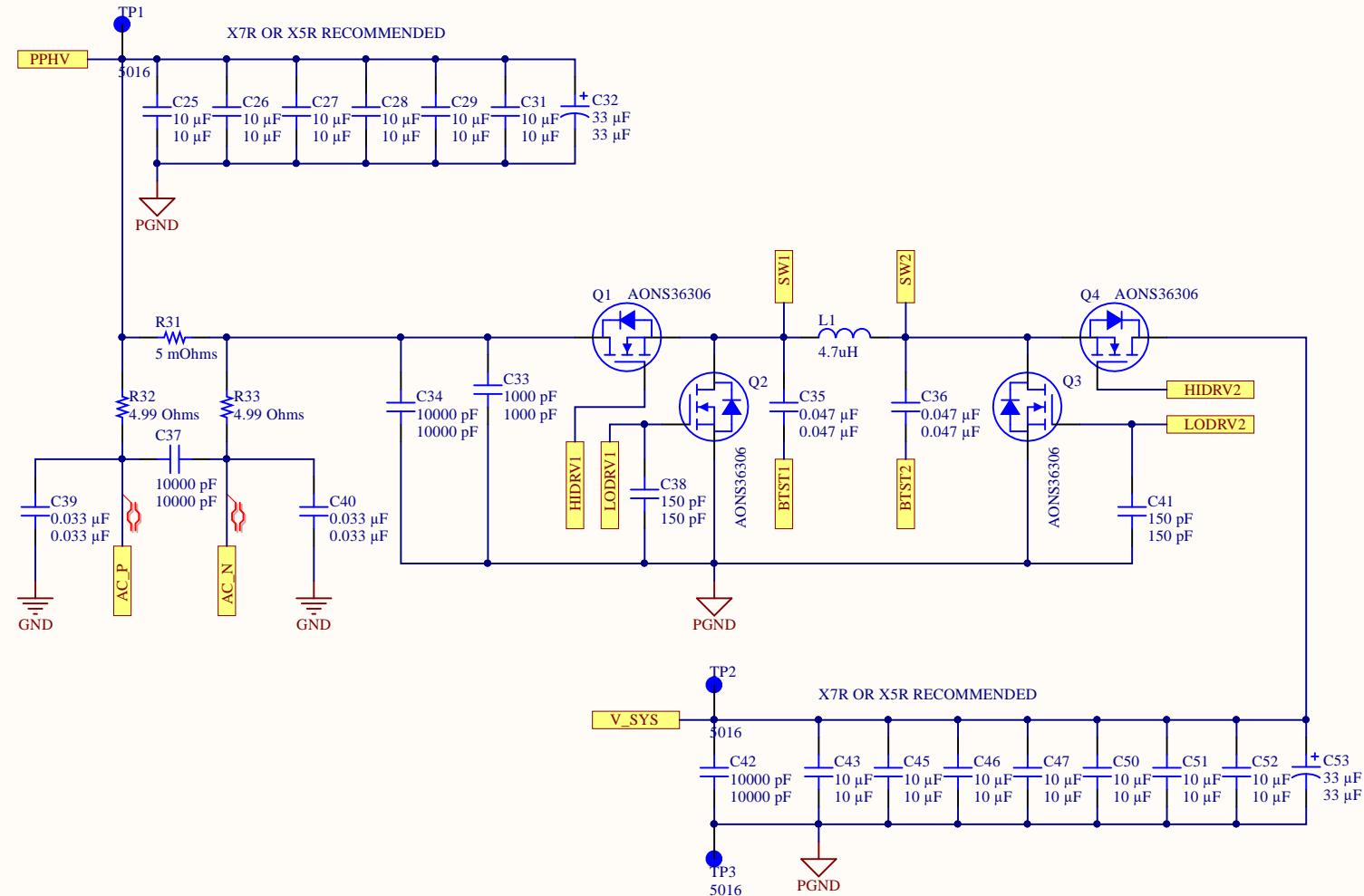
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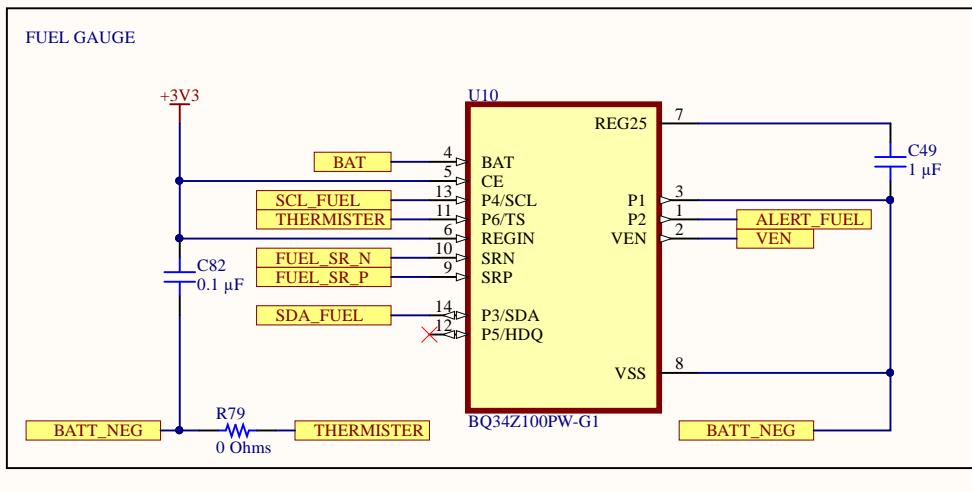
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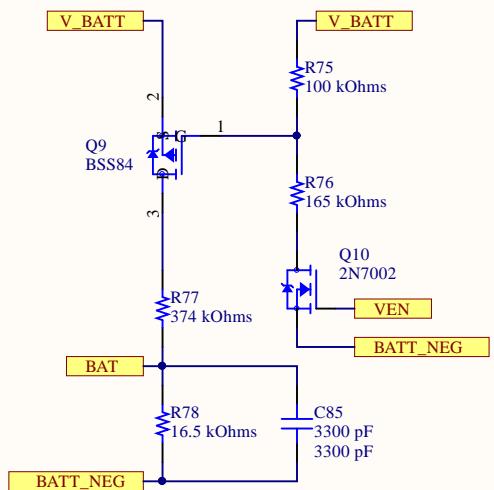
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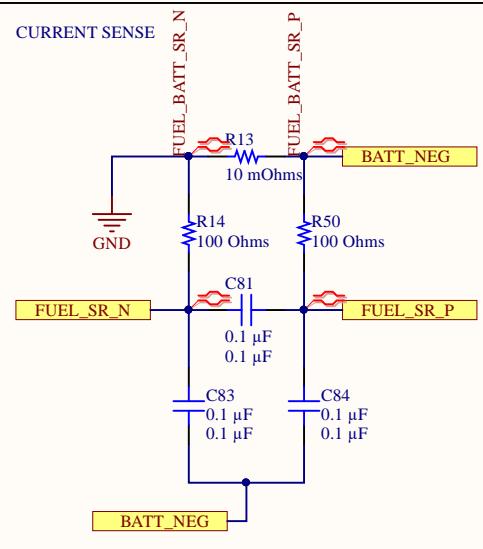
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VOLTAGE SENSE

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CURRENT SENSE

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Title

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Revision

Date: 25/08/2023

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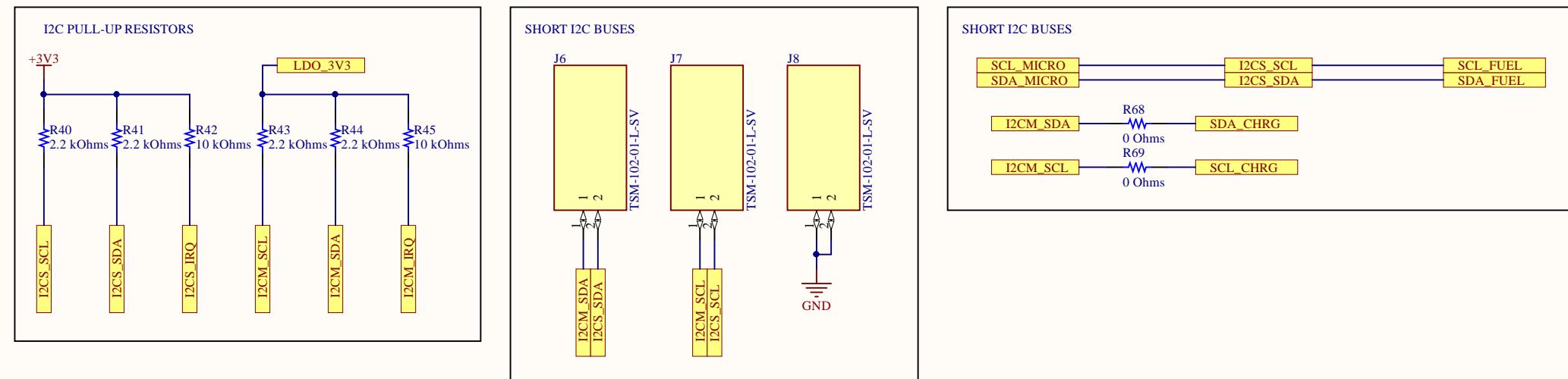
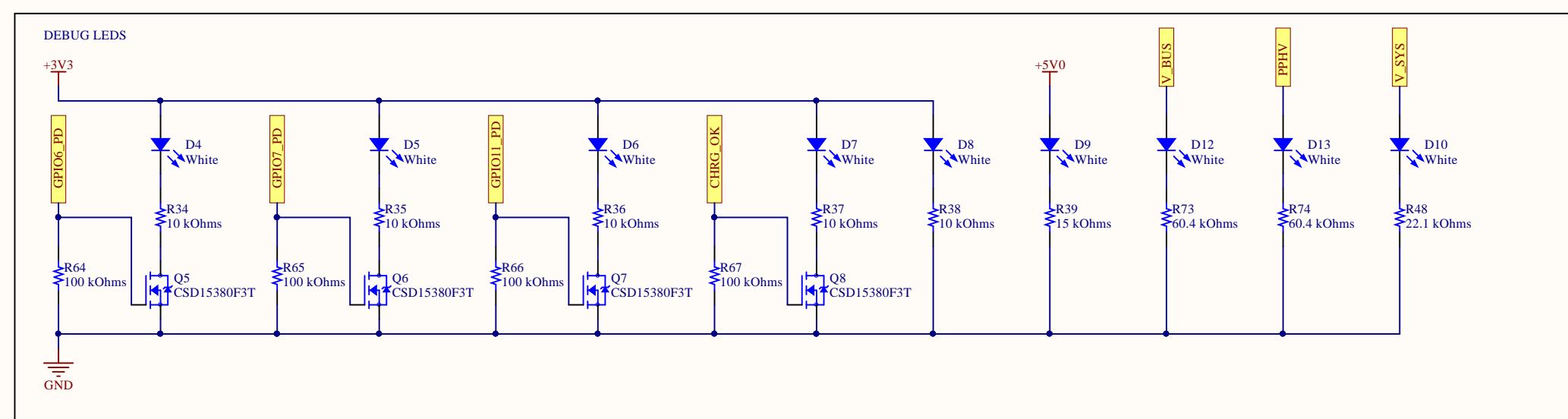
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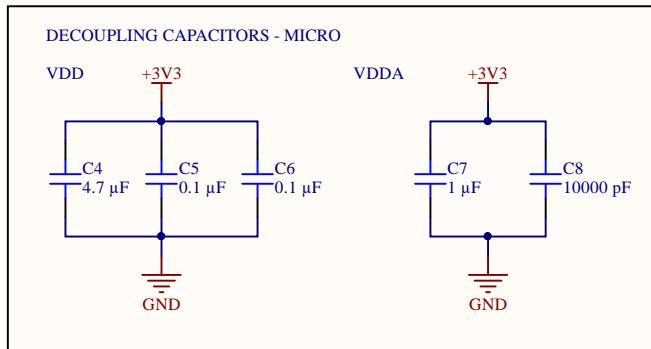
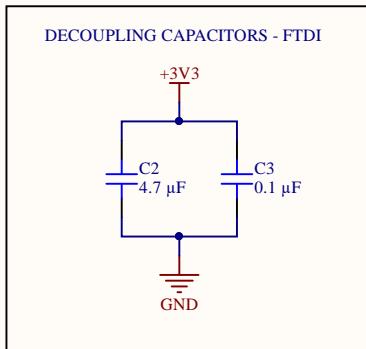
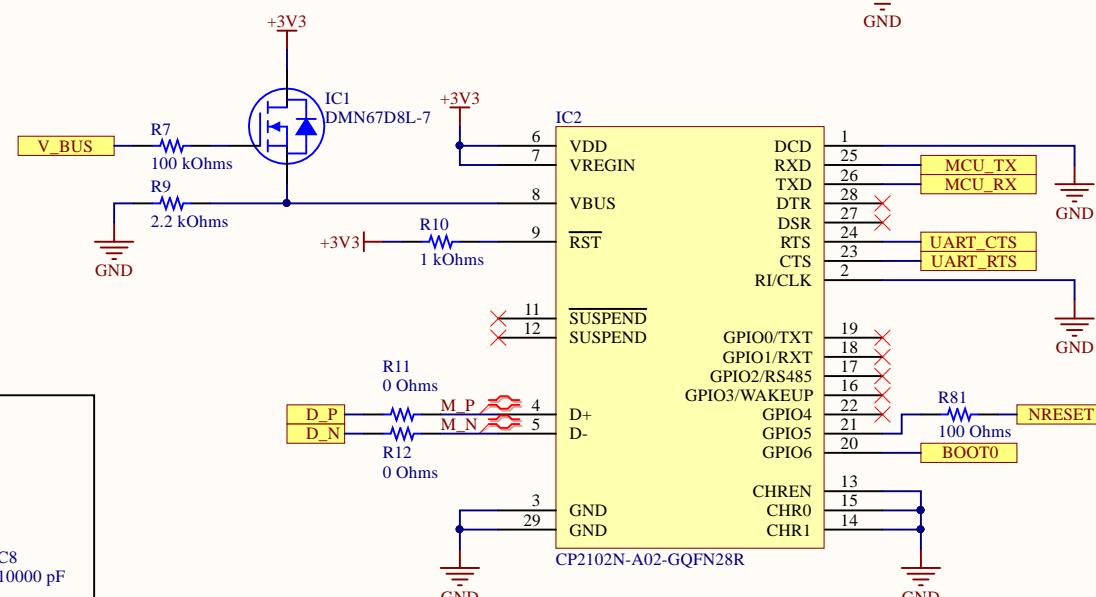
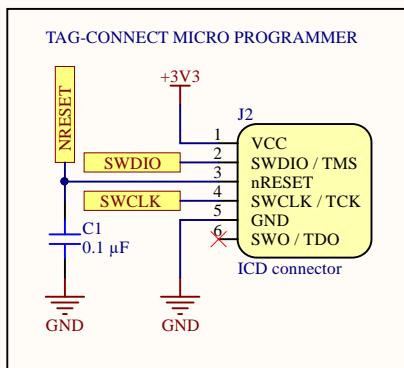
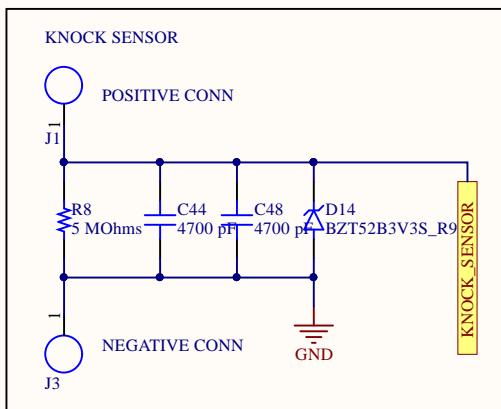
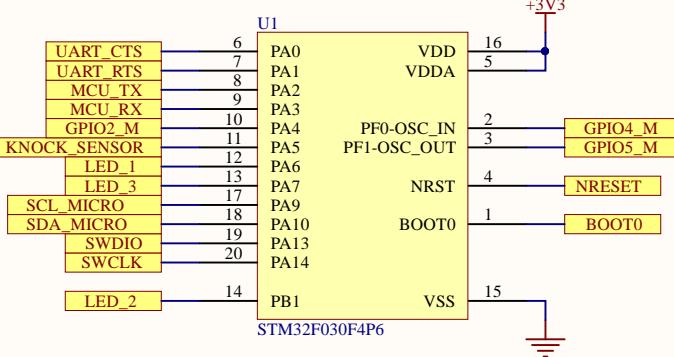
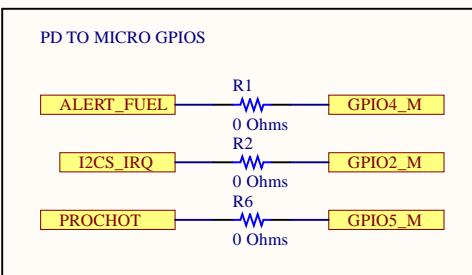
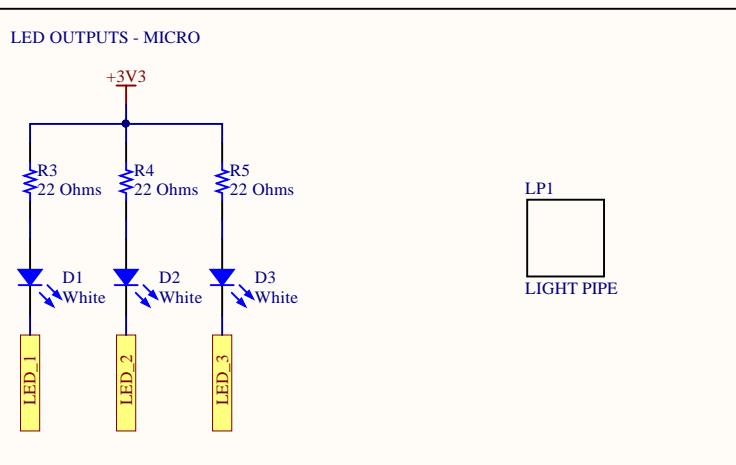
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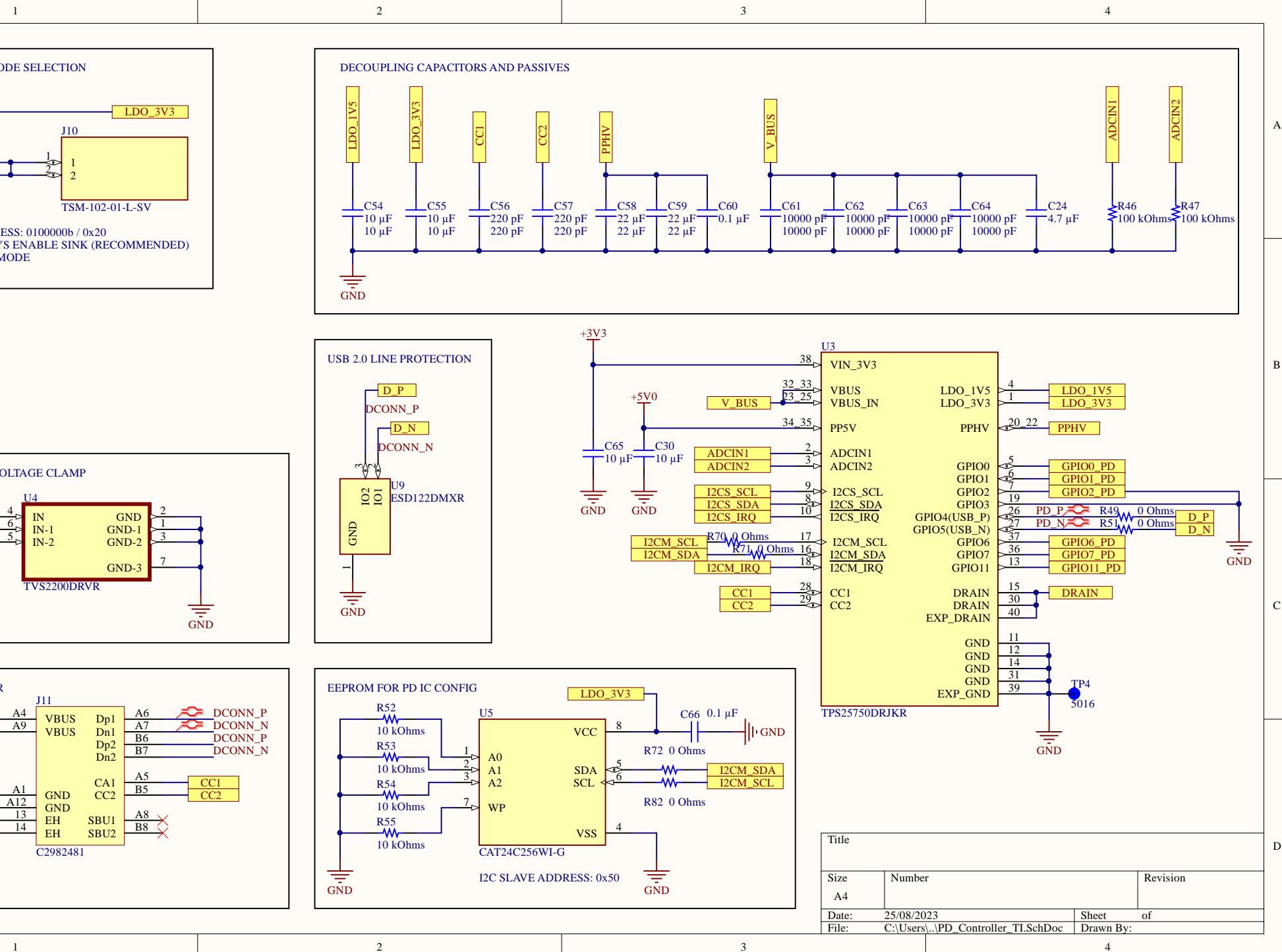
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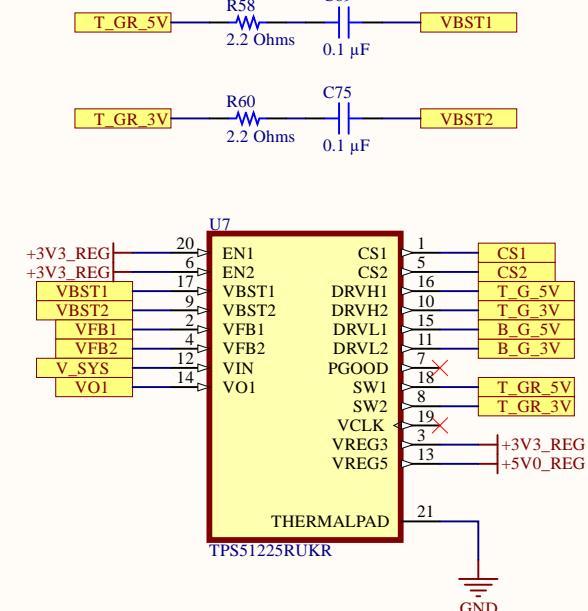
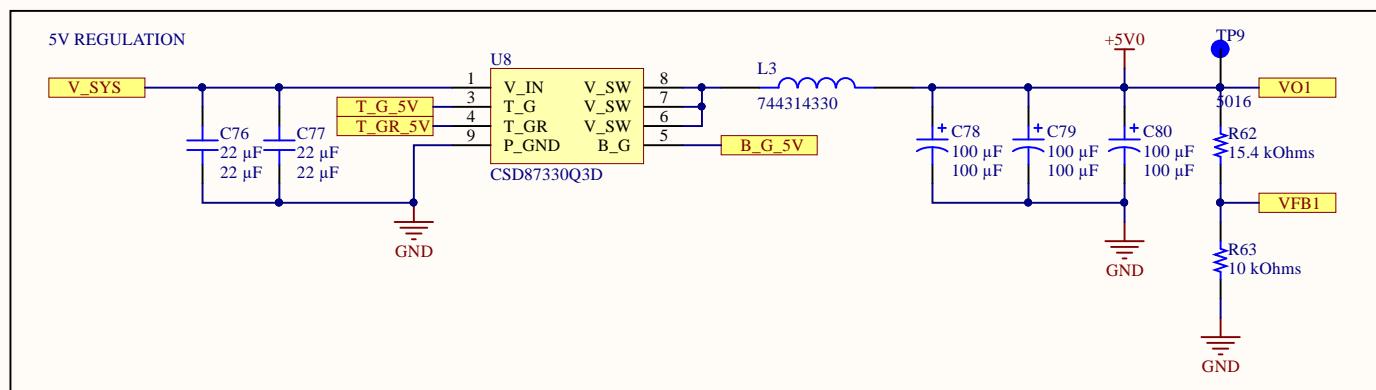
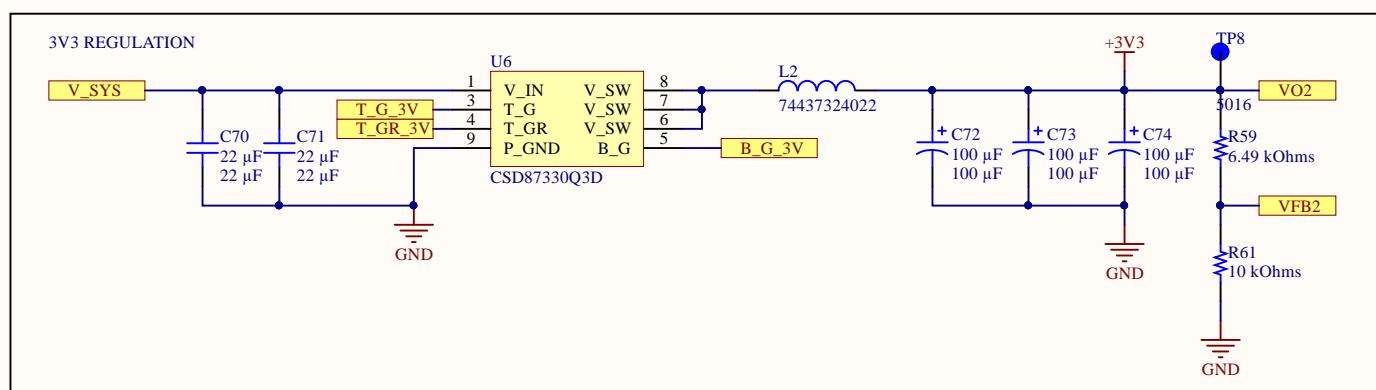
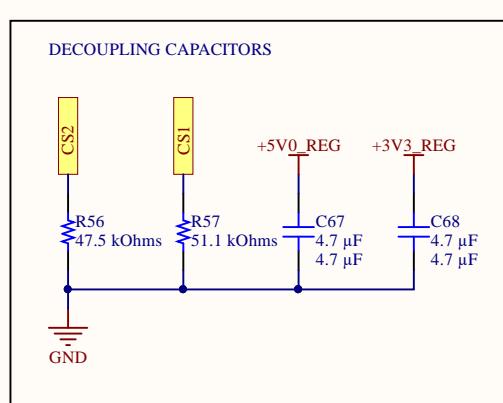
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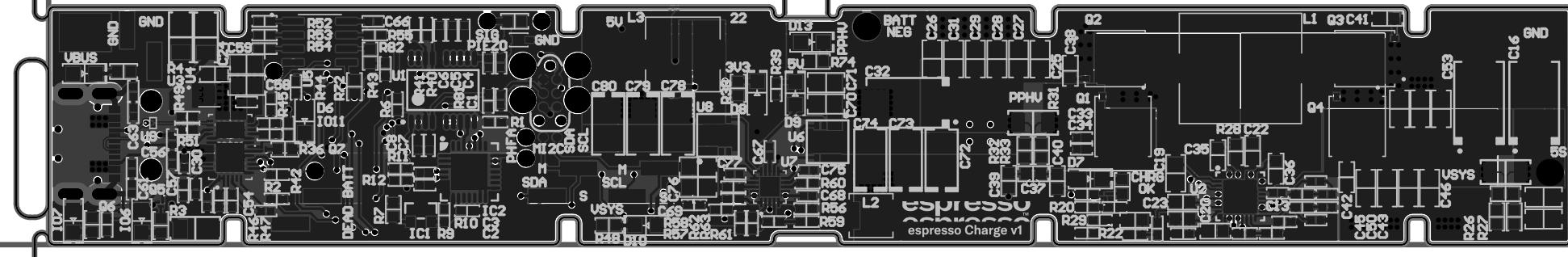
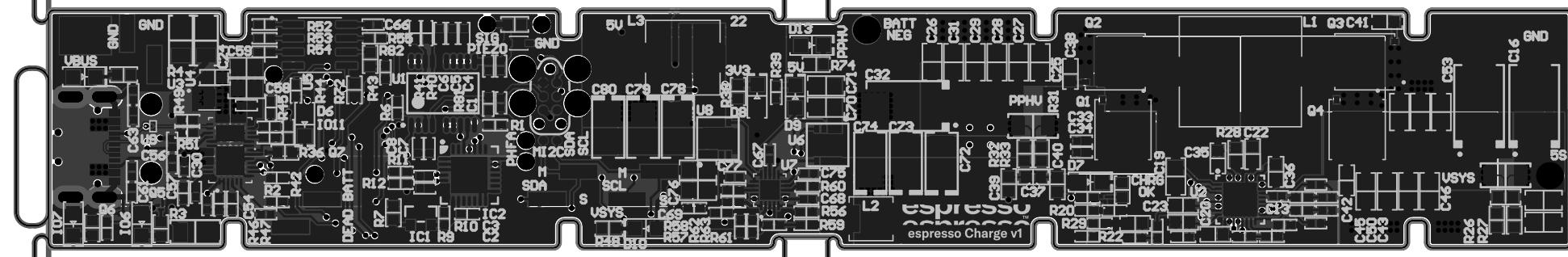
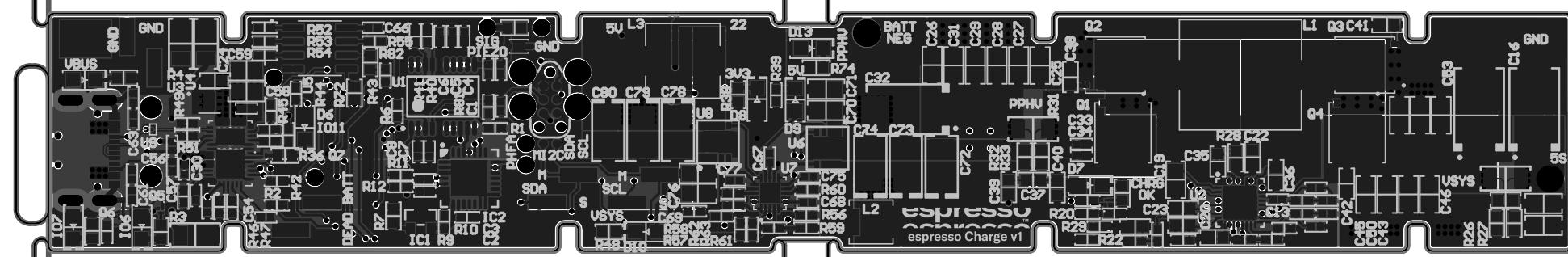
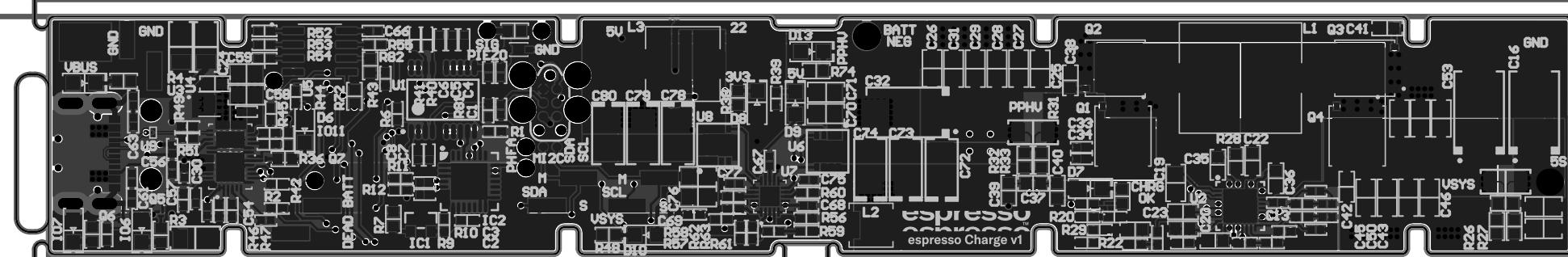


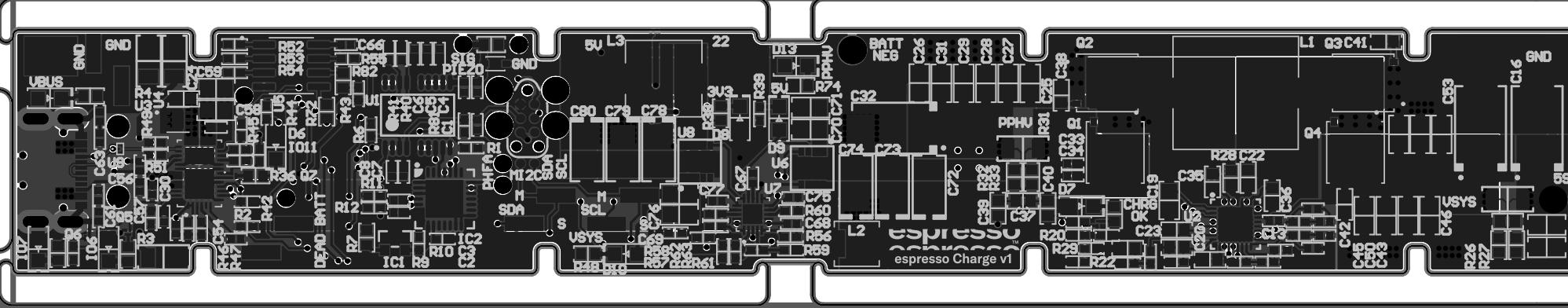


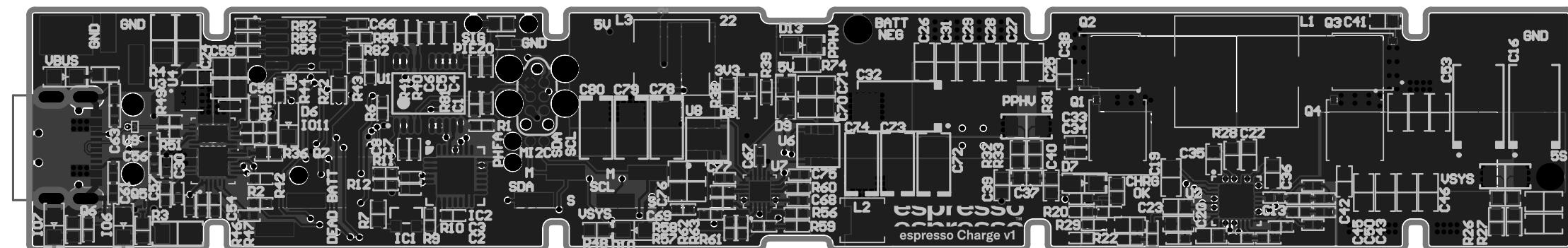
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Comment	Description	Designator	Footprint	LibRef	Quantity
0.1 µF	CAP CER 0.1UF 10V X5R 0402, CAP CER	C1, C3, C5, C6, C60, C6	CAP 0402_1005	LMI105B1J04MC-F, 8	9
4.7 µF	CAP CER 4.7UF 10V X5R 0402, CAP CER	C2, C4, C67, C68	CAP 0402_1005	CLO5A475KP5NRNC, C	4
1 µF	CAP CER 1UF 10V X5R 0402, CAP CER 1U	C7, C13, C49	CAP 0402_1005	LMI105B1J05KPLF, E	3
10000 pF	CAP, MLCC, 0402/1005, 10V, X7R,, CAP	C8, C34, C61, C62, C63	CAP 0402_1005	LMI105B7103KVHF, J	6
33 pF	CAP CER 33Pf 50V CH 0402	C9	CAP 0402_1005	UMK105C1H330VHF	1
4700 pF	CAP CER 4700PF 50V X7R 0402	C10, C44, C48	CAP 0402_1005	0402B472JS00CT	3
680 pF	CAP CER 680pF 50V NPO 0402	C11	CAP 0402_1005	C1005NP01H681J050	1
15 pF	CAP CER 1.5PF 50V COG/NPO 0402	C12	CAP 0402_1005	CBR04C1505GAC	1
10 µF	CAP CER 10UF 50V X5R 0805	C14, C15, C25, C26, C27	CAP 0805_2012	GRM21B1R61H106KE4	15
33 µF	CAP TANT 33UF 20% 35V 2917	C16, C32, C53	CAP POL 2917_7343	T495X336M035ATE17	3
0.1 µF	CAP CER 0.1UF 50V X7R 0603	C17, C81, C83, C84	CAP 0603_1608	CO603C104KSRACT741	4
100 pF	CAP CER 100pF 50V COG/NPO 0603	C18, C20, C21	CAP 0603_1608	CO603C101KSACAU	3
0.47 µF	CAP CER 0.47UF 50V X7R 0805	C19	CAP 0805_2012	CO805C474KSRACTAU	1
2.2 µF	CAP CER 2.2UF 35V X5R 0603	C22	CAP 0603_1608	GRM188R6Y225KA1	1
1 µF	CAP CER 1UF 35V X7R 0603	C23	CAP 0603_1608	GMJ107CB105KAHR	1
4.7 µF	CAP CER 4.7UF 35V X5R 0603	C24	CAP 0603_1608	C1608X5R1V475K080	1
10 µF	CAP CER 10UF 50V X5R 0402	C30, C54, C55, C65	CAP 0402_1005	CL05A106MPBNUB8	4
1000 pF	CAP CER 1000PF 50V NPO 0402	C33	CAP 0402_1005	UMK105CG102J1HF	1
0.047 µF	CAP CER 0.047UF 25V X7R 0603	C35, C36	CAP 0603_1608	CO603C473KSRACTAU	2
10000 pF	CAP CER 10000PF 50V NPO 0603	C37, C42	CAP 0603_1608	CGA3E2NPO1H103J08	2
150 pF	CAP CER 150pF 50V C06/NPO 0603	C38, C41	CAP 0603_1608	CC0603KRNPO9BN15	2
0.033 µF	CAP CER 0.033UF 50V X7R 0603	C39, C40	CAP 0603_1608	CO603C333KSRACTAU	2
220 pF	CAP CER 220PF 16V X7R 0402	C56, C57	CAP 0402_1005	8.85012E+11	2
22 µF	CAP CER 22UF 35V X5R 0805	C58, C59, C70, C71, C72	CAP 0805_2012	C2012X5R1V226M125	6
100 µF	CAP TANT 100UF 20% 10V 1411	C72, C73, C74, C78, C79	CAP POL 1411_3528	ATCC-211B-010-107M	6
3300 pF	CAP CER 3300PF 16V X7R 0402	C85	CAP 0402_1005	AC0402KRX7R7BB332	1
White	0805 LED WHITE, YELLOW DIFFUSED	D1, D2, D3	LED 0805_2012	QB1E631-IWS	3
BZT52B3V3S_R9		D14	DIO_BZT52B3V3S_R9	BZT52B3V3S_R9	1
DMN6708L-7	MOSFET N-CH 60V 210MA SOT23	I1	DIODES SOT-23-3	DMN67D8L-7	1
CP2102N-A02-GQFN2	IC USB TO UART BRIDGE QFN28	I2	SILICON LABS QFN-28	CP2102N-A02-GQFN2	1
C2982481	5A 1 Surface Mount 16 Female .55°C ±4	J11	GT-USB-7079A	GT-USB-7079A	1
4.7uH	BMQADY1010404R7MA1	L1	BMQADY1010404R7N	BMQADY1010404R7N	1
74437324022	LHMI Inductor 4020 2.2uH 5.0A 27.0mΩ	L2	IND_74437324022	74437324022	1
744314330	Inductor SMD 7050 3.3uH 9 uWuerth E	L3	IND_744314330	744314330	1
LIGHT PIPE	Light Pipe Dialight 515-1069F	LP1	Dialight 515-1069F	Dialight 515-1069F	1
A0NS36306	30V N-Channel MOSFET	Q1, Q2, Q3, Q4	DFN 5x6	A0NS36306	4
B5584	B5584 Series 50 V 10 Ohms P-Ch Enhanc	Q9	SOT95P240X120-3N	B5584	1
2N7002	N-Channel 60V 280mA (Ta) 350mW (Ta)	Q10	SC195P240X111-3N	2N7002	1
0 Ohms	RES SMD 0 OHM JUMPER 1/5W 0402	R1, R2, R6, R11, R12	RES 0402_1005	CRCW04020000020ED	11
22 Ohms	RES SMD 22 OHM 0.5% 1/2W	R3, R4, R5	RES 1206_3216	HRG3216Q-22R0-D-T	3
100 kOhms	RES 100K OHM 0.1% 1/6W 0603	R7	RES 0603_1608	RNC0603B8KE100K	1
5.0Mhms	RES SMD 5M OHM 1% 1/10W 0603	R8	RES 0603_1608	HVC0603TS004FET	1
2.2 kOhms	RES 2.2 OHM 0.1% 1/10W 0402, RES 2	R9, R40, R41, R43, R44	RES 0402_1005	TNPW04022K20BYEP	5
1 kOhms	RES SMD 1K OHM 5% 1/16W 0402	R10	RES 0402_1005	AF0402JR-071KL	1
10 mOhms	RES 0.01 OHM 1% 1/2W 1210	R13	RES 1210_3225	R1210FR-070R01L	1
100 Ohms	RES SMD 100 OHM 0.1% 1/10W 0603	R14, R50	RES 0603_1608	ERA-3AEB101V	2
300 kOhms	RES 300K OHM 1% 1/16W 0402	R15	RES 0402_1005	RC0402FR-07300KL	1
2 MOhms	RES 2M OHM 5% 1/16W 0402	R16	RES 0402_1005	RMCF0402JT2M00	1
10 kOhms	RES 10K OHM 5% 1/16W 0402	R17, R20, R21, R22, R47	RES 0402_1005	RC0402JR-1310KL	12
40.2 kOhms	RES 40.2K OHM 1% 1/16W 0402	R18	RES 0402_1005	RC0402FR-0740K2L	1
15 kOhms	RES 15K OHM 1% 1/16W 0402	R19	RES 0402_1005	RC0402FR-1315KL	1
381 kOhms	RES SMD 383K OHM 1% 1/10W 0402	R23	RES 0402_1005	ERJ-2RKF3833X	1
5 mOhms	RES 0.005 OHM 5% 1W 1206	R24, R31	RES 1206_3216	PMR18EZP1USL0	2
220 kOhms	RES 220K OHM 1% 1/16W 0402	R25	RES 0402_1005	RC0402FR-07220KL	1
10 Ohms	RES SMD 10 OHM 1% 1/10W 0603	R26, R27, R28	RES 0603_1608	ERJ-3EKF10ROV	3
30.1 kOhms	RES 30.1K OHM 1% 1/16W 0402	R29	RES 0402_1005	RC0402FR-07300KL	1
191 kOhms	RES SMD 191K OHM 1% 1/10W 0402	R30	RES 0402_1005	ERJ-2RKF1913X	1
4.99 Ohms	RES 4.99 OHM 1% 1/10W 0603	R32, R33	RES 0603_1608	RC0603FR-074899L	2
100 kOhms	RES SMD 100K OHM 1% 1/16W 0402, R	R46, R47, R75	RES 0402_1005	RT0402FR07100KL, F	3
47.5 kOhms	RES 47.5K OHM 1% 1/16W 0402	R56	RES 0402_1005	RC0402FR-0747K5L	1
51.1 kOhms	RES SMD 51.1K OHM 1% 1/16W 0402	R57	RES 0402_1005	CR0402-FR-5112GLF	1
2.2 Ohms	RES 2.2 OHM 5% 1/16W 0402	R58, R60	RES 0402_1005	RC0402JR-072R2L	2
6.49 kOhms	RES 6.49K OHM 1% 1/16W 0402	R59	RES 0402_1005	RC0402FR-076K49L	1
15.4 kOhms	RES 15.4K OHM 1% 1/16W 0402	R62	RES 0402_1005	RC0402FR-075K54L	1
0 Ohms	RES SMD 0 OHM JUMPER 1/3W 0603	R72, R82	RES 0603_1608	CRCW06030000020EAII	2
165 kOhms	RES 165K OHM 0.1% 1/10W 0402	R76	RES 0402_1005	RP73PF1E165KBDT	1
374 kOhms	RES SMD 374K OHM 1% 1/10W 0402	R77	RES 0402_1005	ERJ-2RKF3743X	1
16.5 kOhms	RES SMD 16.5K OHM 0.1% 1/6W 0603	R78	RES 0603_1608	1-2176089-8	1
0 Ohms	0805 35 AMP JUMPER	R79	RES 0805_2012	JR0805X35E	1
100 Ohms	RES 100 OHM 0.5% 1/5W 0402	R81	RES 0402_1005	MCS0402PD1000DE5I	1
STM32F030F4P6	Value-line Arm-based 32-bit MCU with	U1	TSOP65P640X120-20	STM32F030F4P6	1
BQ25731R5NN	[2x 1- to 5-Cell Buck-Boost Battery Char	U2	QFN40P400X400X80	BQ25731RSNR	1
TPS25750DRJKR	USB, Type-C Controller PMIC 38-WQFN	U3	IC_TPS25750DRJKR	TPS25750DRJKR	1
TVS2200DRVR		U4	SON65P200X200X80	TVS2200DRVR	1
CAT24C256WI-G	EEPROM Memory IC 256Kb (32K x 1) I ² SH	U5	SOIC127P600X175-8N	CAT24C256WI-G	1
CS087300Q3D	Synchronous Buck NexFET™ Power Blo	U6, U8	Q3D	CS087300Q3D	2
TPS51225RUKR		U7	QFN40P300X300X80	TPS51225RUKR	1
ESD122DMXR	2-channel ESD protection diode for USB	U9	IC_ESD122DMXR	ESD122DMXR	1
BO34Z100PW-G1		U10	SOP65P640X120-14N	BO34Z100PW-G1	1