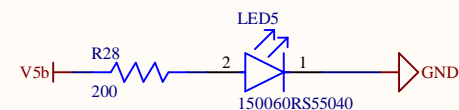
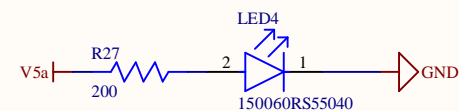
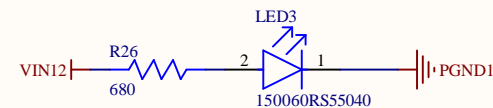
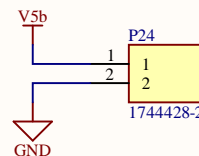
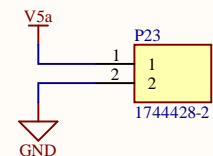
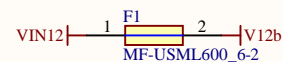
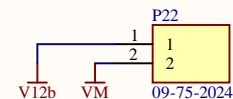
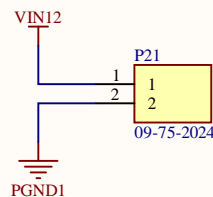
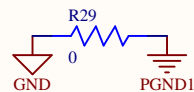
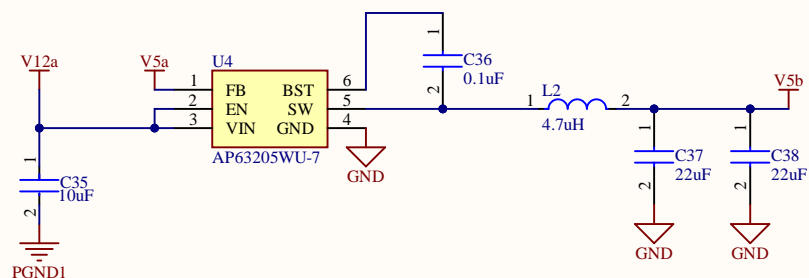
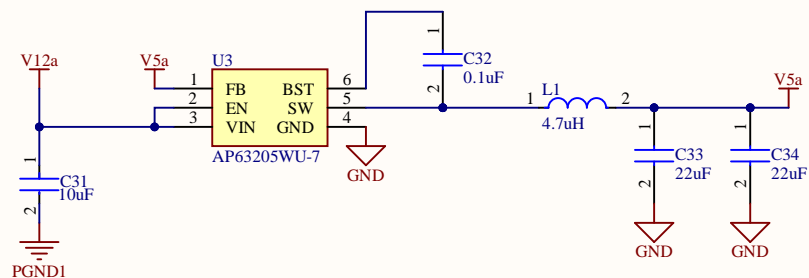


VOLTAGE REGULATOR

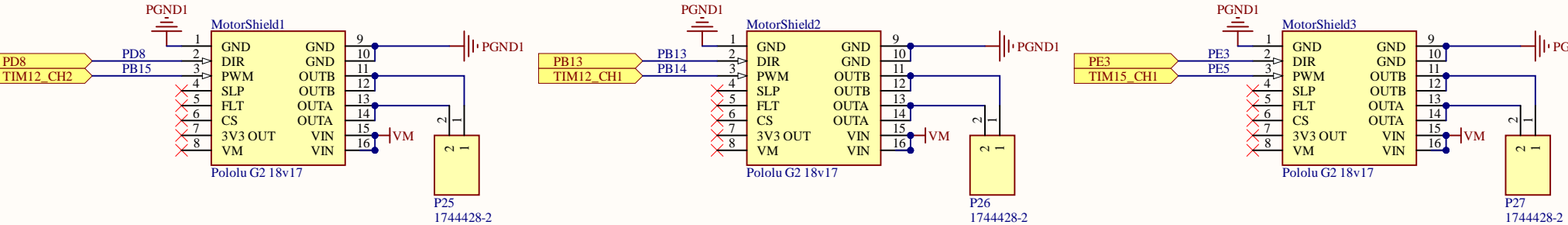
VOLTAGE IN/OUT

LED

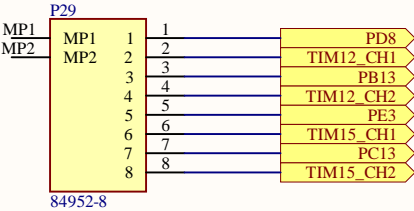


Title		
Size	Number	Revision
A4		
Date:	10/30/2022	Sheet of
File:	C:\Users\...\Power_board_1.SchDoc	Drawn By:

MOTOR



FFC Connector



Title		
Size	Number	Revision
A4		
Date:	10/30/2022	Sheet of
File:	C:\Users\...\Power_board_2.SchDoc	Drawn By:

Comment	Description	Designator	Footprint	LibRef	Quantity
10uF	CAP CER 10UF 25V X5R 0603	C31, C35	FP-C1608-080- IPC_A	CMP-2000-05442-2	2
0.1uF	Capacitor	C32, C36	CAPC1608X90N	GRM188R72A104M A35D	2
22uF	Capacitor	C33, C34, C37, C38	C1608_Commercial	C1608X5R1H104M0 80AA	4
MF-USML600_6-2	Fuse	F1	FUSC3226X120N	MF-USML600_6-2	1
4.7uH	SMD Power Inductors for Automotive Applications 4.7uH \pm 20% 2.7A 40.3m Ω	L1, L2	FP-NR6028-MFG	CMP-14484-000746- 1	2
150060RS55040	LED RED DIFFUSED 0603 SMD	LED3, LED4, LED5	FP-150060RS55040- MFG	CMP-207942- 000007-1	3
Pololu G2 18v17	DC Motor Driver	MotorShield1, MotorShield2, MotorShield3, MotorShield4	Pololu G218V17	Pololu G2 18v17	4
09-75-2024	Connector	P21, P22	17444282	1744428-2	2
1744428-2	Connector	P23, P24, P25, P26, P27, P28	17444282	1744428-2	6
84952-8	Connector	P29	849528	84952-8	1
680	Resistor	R26	RESC1608X55N	CMP0603-FX- 1003ELF	1
200	Resistor	R27, R28	RESC1608X55N	CMP0603-FX- 1003ELF	2
0	Resistor	R29	RESC1608X55N	CMP0603-FX- 1003ELF	1
AP63205WU-7	Integrated Circuit	U3, U4	SOT95P280X100-6N	AP63205WU-7	2