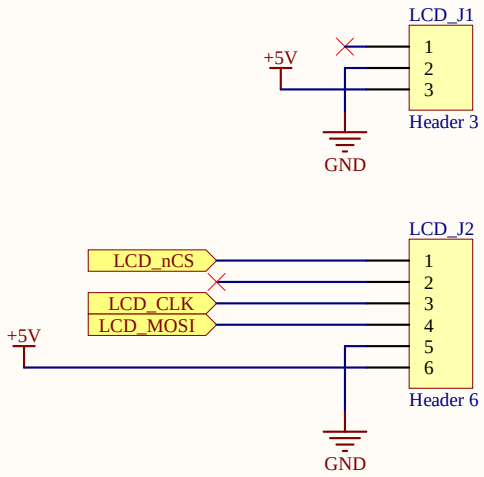

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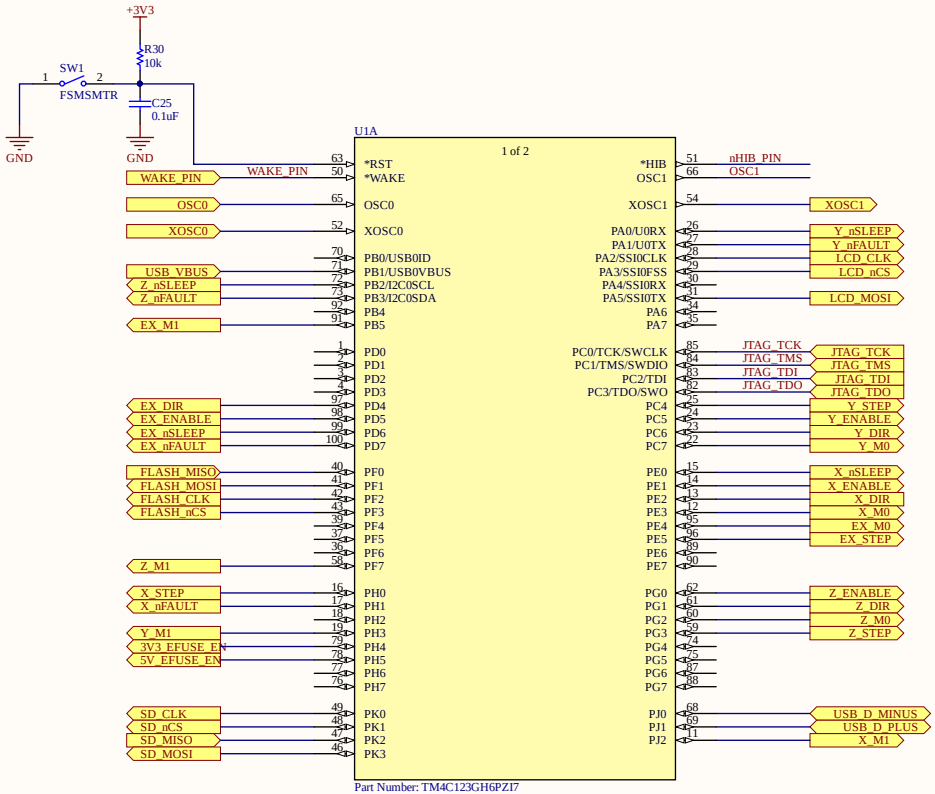

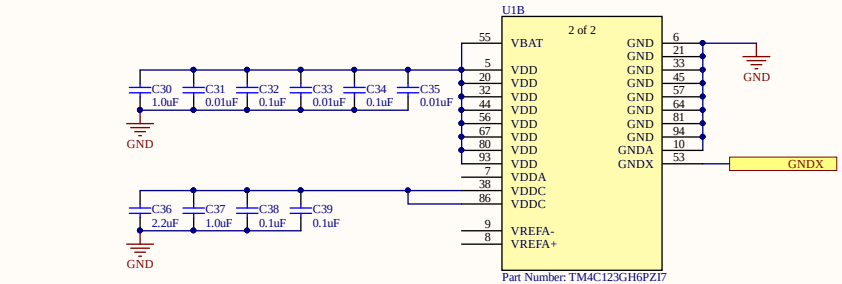

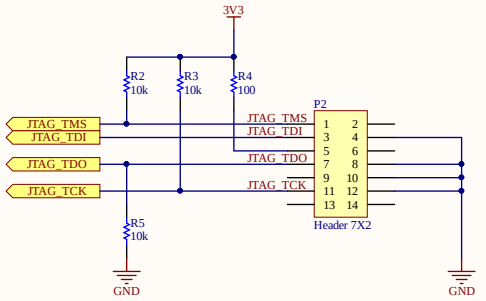

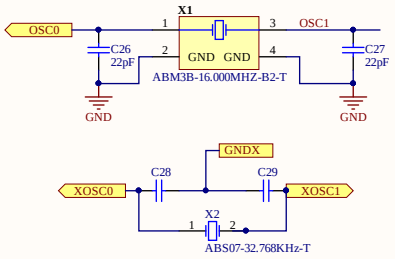

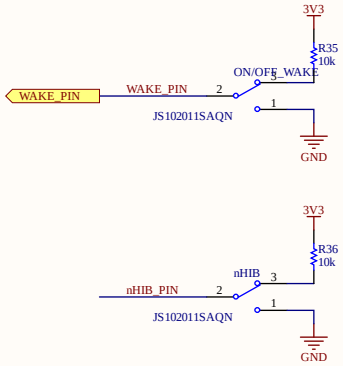

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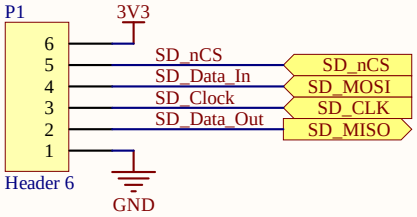
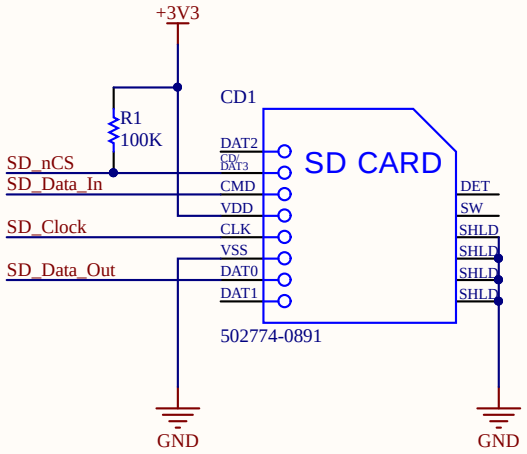
Altium

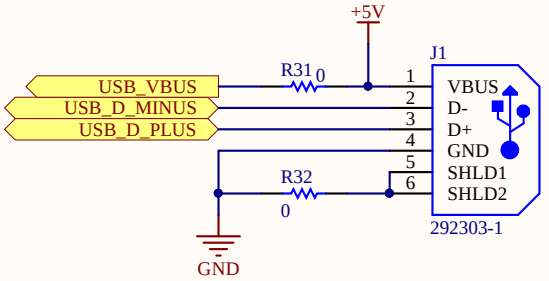
SD Card



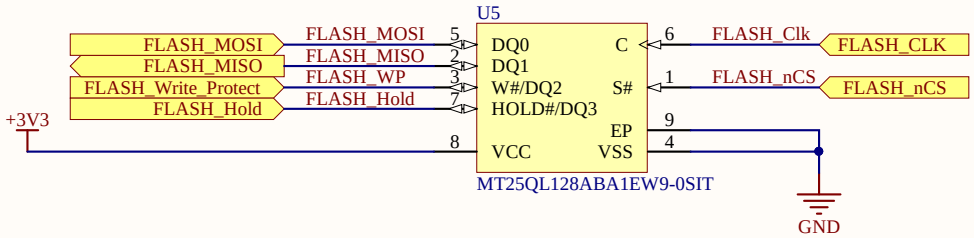


Pinout Reference:
https://components101.com/misc/microsd-card-pinout-datasheet

USB

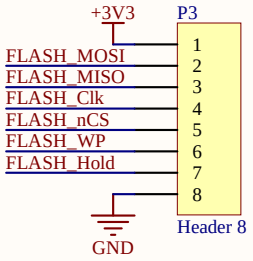


On-Board Flash



S# - Chip Select
C - Clock
RESET# - LOW=device reset
HOLD# - Pauses serial comm's
W# - Write protect
DQ[0] - Input
DQ[1] - Output
DQ[2] -
DQ[3] -

Flash Breakout Pins



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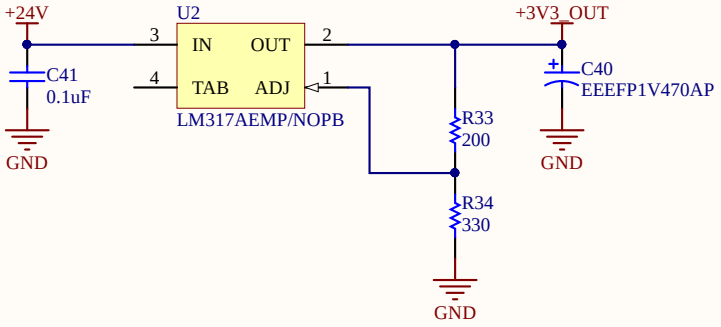
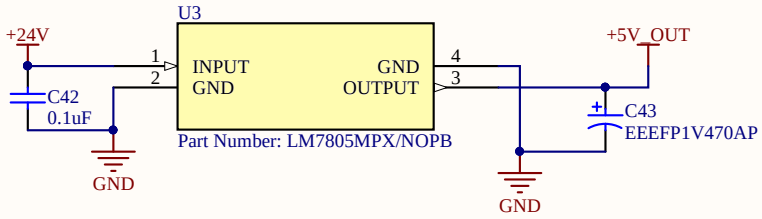
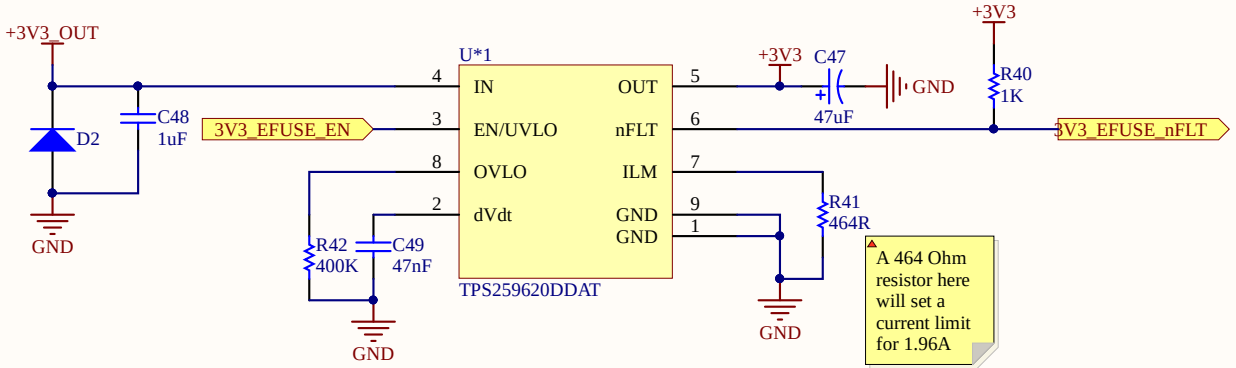
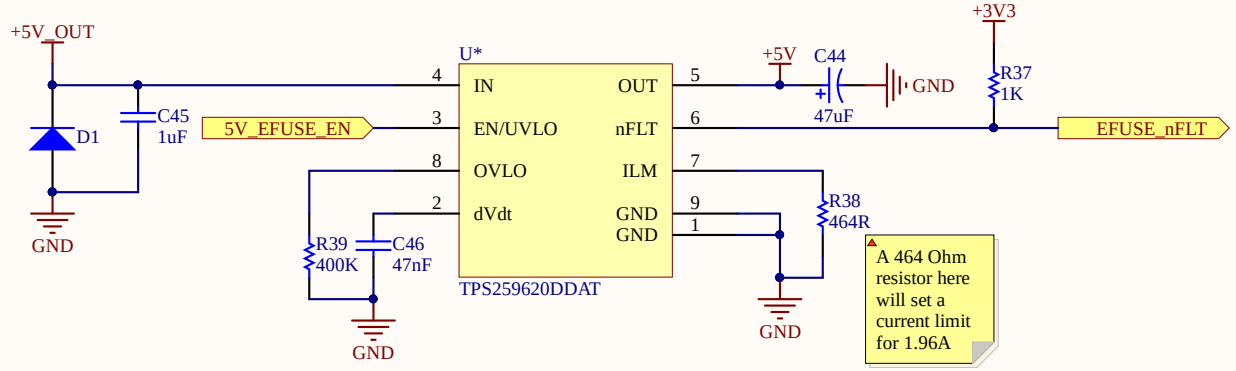




3.3V eFuse



5V eFuse



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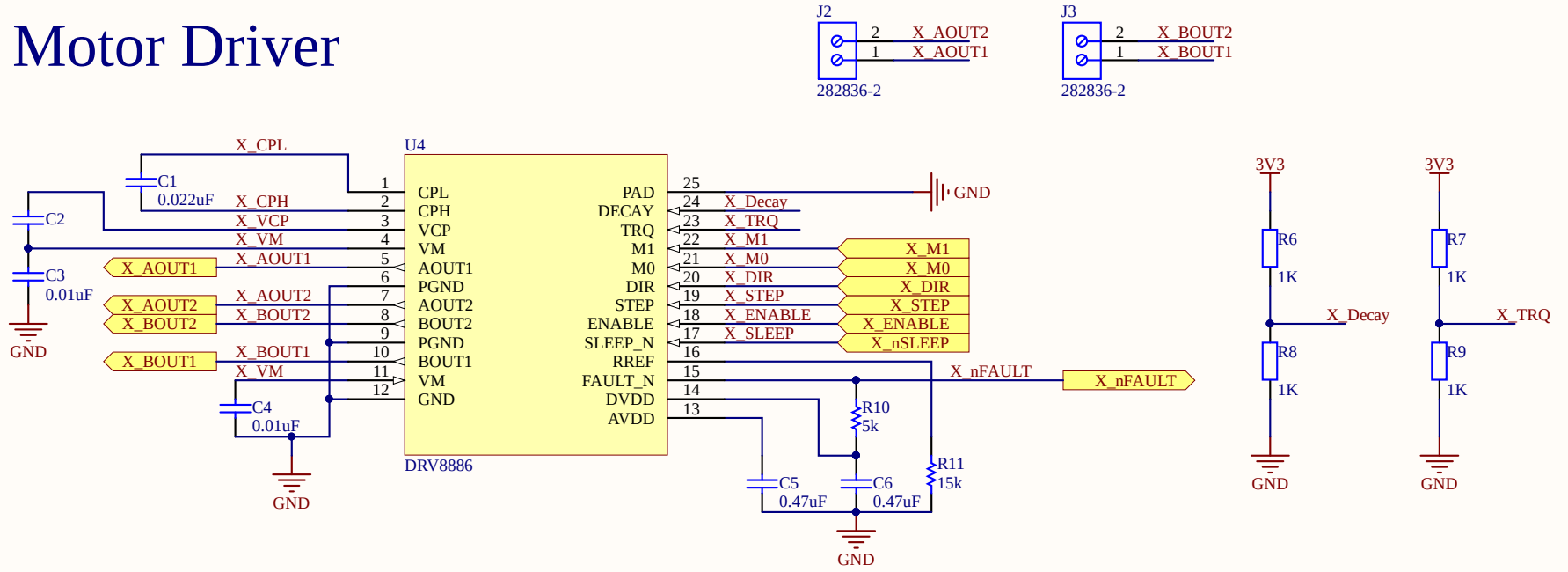
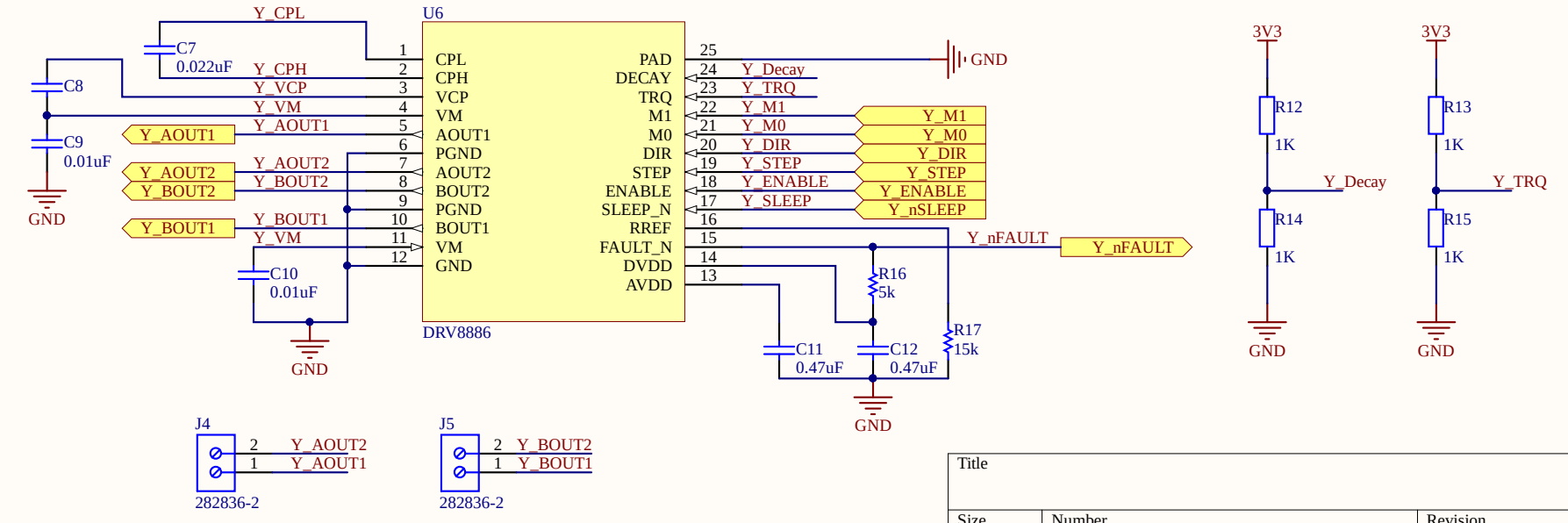
X Motor Driver



Y Motor Driver



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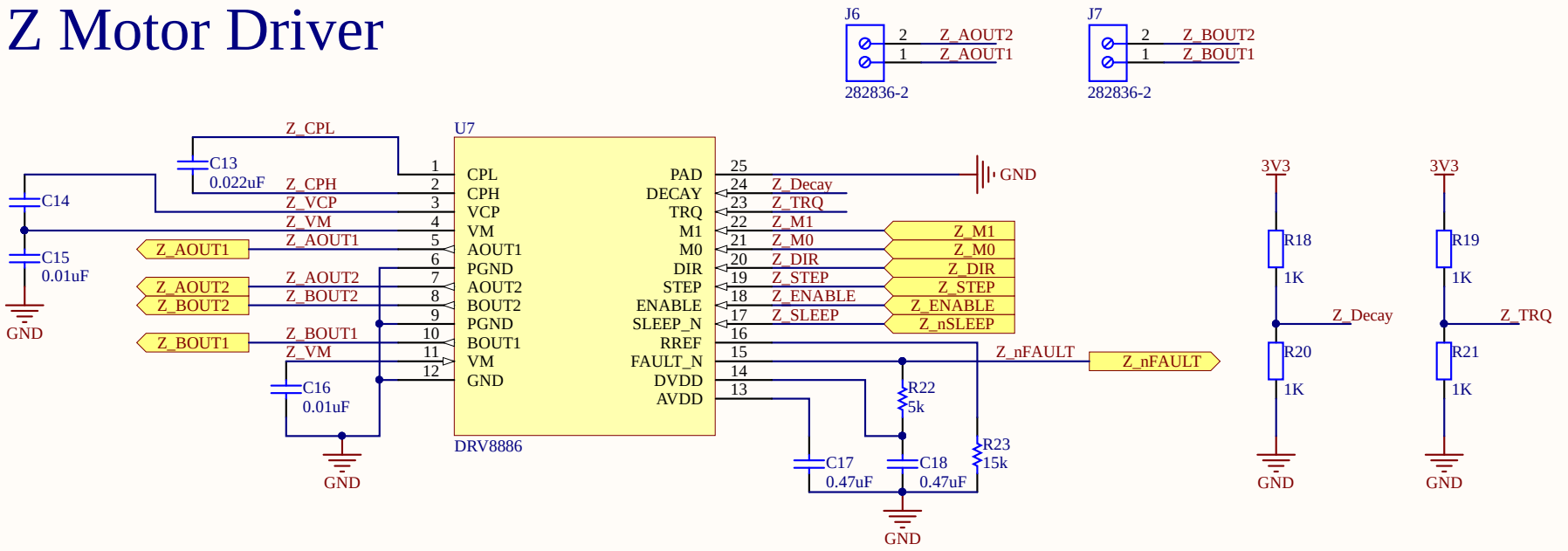
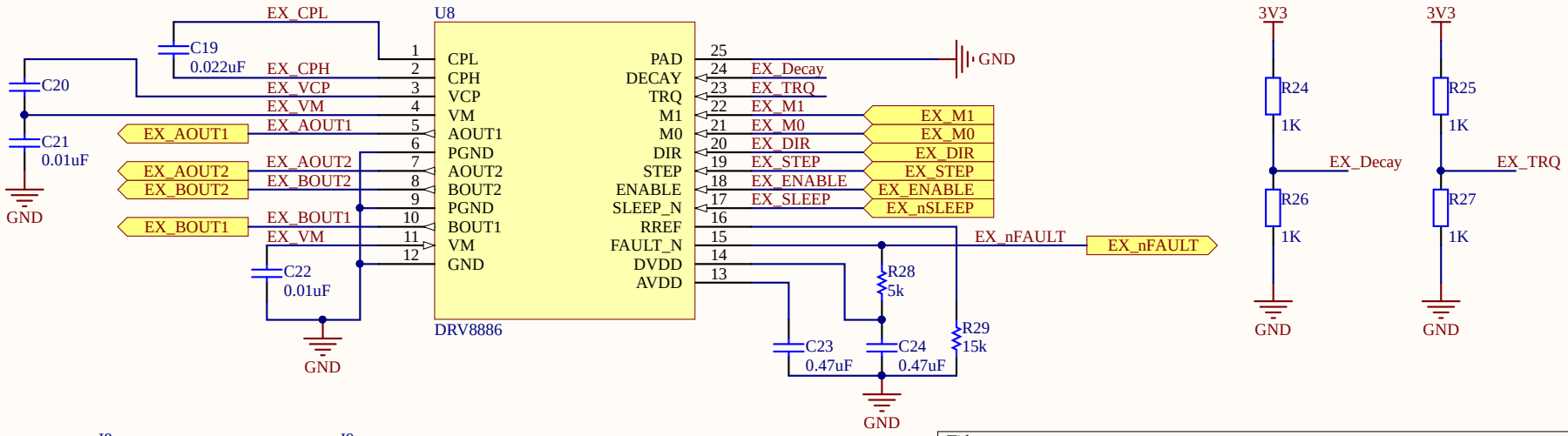
Z Motor Driver



Extruder Motor Driver



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Comment	Description	Designator	Footprint	LibRef	Quan
0.022uF		C1, C7, C13, C19	CAPC1608X87X35ML1	CMP-2006-03139-1	
0.22uF	Cap Ceramic, 0.22 uF,	C2, C8, C14, C20	TDK-C1608-2_A_M	CMP-2000-05394-1	
0.01uF		C3, C4, C9, C10, C15,	CAPC1608X87X35LL1	CMP-2006-03299-1	
0.47uF		C5, C6, C11, C12, C1	CAPC1608X90X35ML1	CMP-2006-04187-1	
0.1uF	Chip Capacitor, 0.1 uF	C25, C32, C34, C38, C	CAPC1608X90X35ML1	CMP-2100-03643-1	
22pF		C26, C27	CAPC1608X90X35ML1	CMP-2006-02602-1	
GRM1885C1H120JA01D		C28, C29	CAPC1608X90X35ML1	CMP-2006-02602-1	
1.0uF		C30, C37	CAPC1608X60X35NL1	CMP-2006-00116-1	
0.01uF		C31, C33, C35	CAPC1608X87X35ML1	CMP-2006-03042-1	
2.2uF		C36	CAPC1608X90X35ML1	CMP-2006-02836-1	
EEEFP1V470AP	Aluminum Electrolytic	C40, C43	PNSC-FP-V-D_V	CMP-2000-06216-1	
47uF	Aluminum Electrolytic	C44, C47	PNSC-FP-V-D_V	CMP-2000-06216-1	
1uF	Chip Capacitor, 1 uF,	C45, C48	CAPC1608X90X20LL1	CMP-2000-06025-1	
47nF		C46, C49	CAPC1608X90X35ML1	CMP-2006-02927-1	
502774-0891	Micro SD Memory Car	CD1	MOLX-502774-0891_V	CMP-2000-05248-1	
SMAJ5.0A-E3/61	Transient Voltage Sup	D1, D2	VISH-DO-214AC-2_M	CMP-0548-00235-2	
292303-1	1 Port Right Angle Thr	J1	TE-292303-1_V	CMP-2000-05404-1	
282836-2	Female Header, Pitch	J2, J3, J4, J5, J6, J7, J	TECO-282836-2_V	CMP-1684-00017-1	
Header 3	Header, 3-Pin	LCD_J1	HDR1X3	Header 3	
Header 6	Header, 6-Pin	LCD_J2, P1	HDR1X6	Header 6	
JS102011SAQN	Sub-Miniature Slide S	nHIB, ON/OFF_WAKE	CKCP-JS102011SAQN	CMP-2000-06501-1	
Header 7X2	Header, 7-Pin, Dual ro	P2	HDR2X7	Header 7X2	
Header 8	Header, 8-Pin	P3	HDR1X8	Header 8	
100K	Chip Resistor, 100 KO	R1	RESC1608X55X25ML1	CMP-2100-03662-1	
10k		R2, R3, R5, R30, R35,	RESC1608X55X30LL1	CMP-2000-00181-1	
100		R4	RESC1608X55X30LL1	CMP-2000-00181-1	
?	Resistor	R6, R7, R12, R13, R18	AXIAL-0.4	Res2	
Res2	Resistor	R8, R9, R14, R15, R20	AXIAL-0.4	Res2	
5k	Chip Resistor, 0 Ohm,	R10, R16, R22, R28	RESC1608X55X25ML1	CMP-2100-03667-1	
15k	Chip Resistor, 0 Ohm,	R11, R17, R23, R29	RESC1608X55X25ML1	CMP-2100-03667-1	
0	Chip Resistor, 0 Ohm,	R31, R32	RESC1608X55X25ML1	CMP-2100-03667-1	
200		R33	RESC1608X55X30NL2	CMP-2000-00944-1	
330		R34	RESC1608X55X30NL1	CMP-2000-00435-1	
1K		R37, R40	RESC1608X55X30LL1	CMP-2000-00411-1	
464R		R38, R41	RESC1608X55X30LL1	CMP-2000-00411-1	
400K		R39, R42	RESC1608X55X30LL1	CMP-2000-00411-1	
FSMSMTR	FSMSM Push Button S	SW1	TECO-FSMSMTR_V	CMP-2000-07501-1	
Part Number: TM4C12	No Description Availab	U1	PZ100	TM4C123GH6PZI7	
LM317AEMP/NOPB	3-Terminal Adjustable	U2	DCY0004A_L	CMP-0062-01710-3	
Part Number: LM7805	No Description Availab	U3	DCY4	LM7805MPX/NOPB	