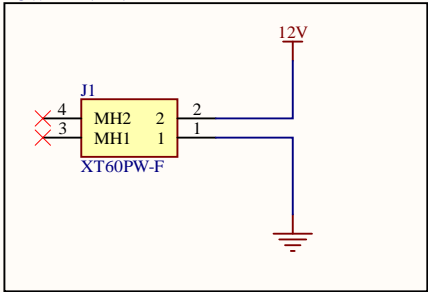
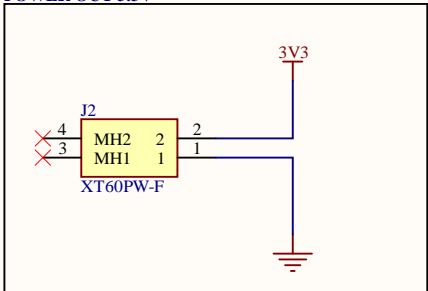


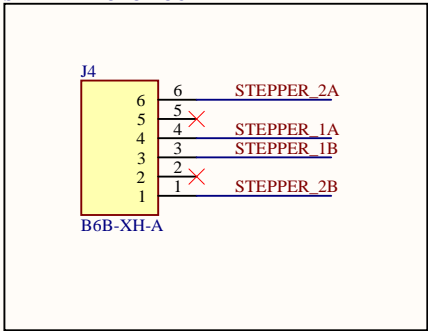
POWER IN 12V



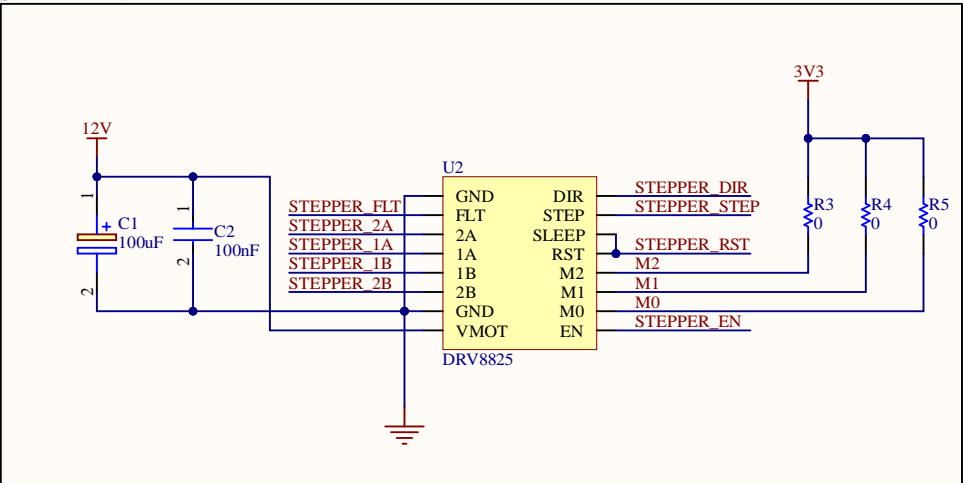
POWER OUT 3.3V



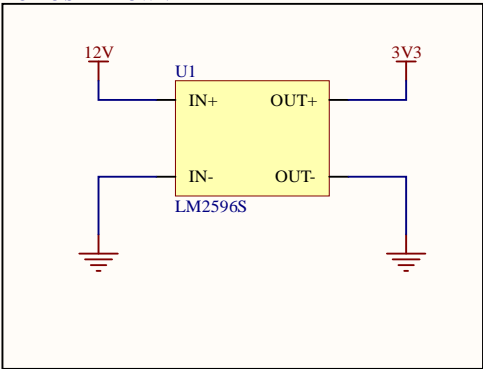
STEPPER MOTOR OUT



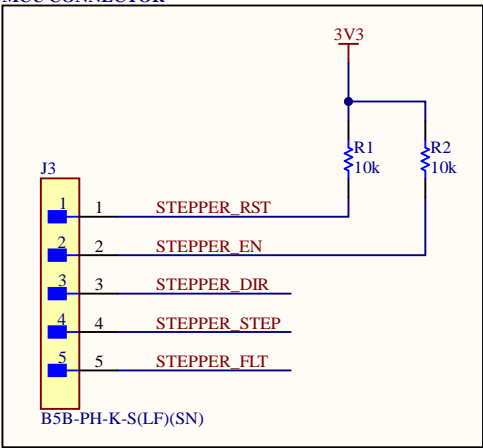
STEPPER DRIVER

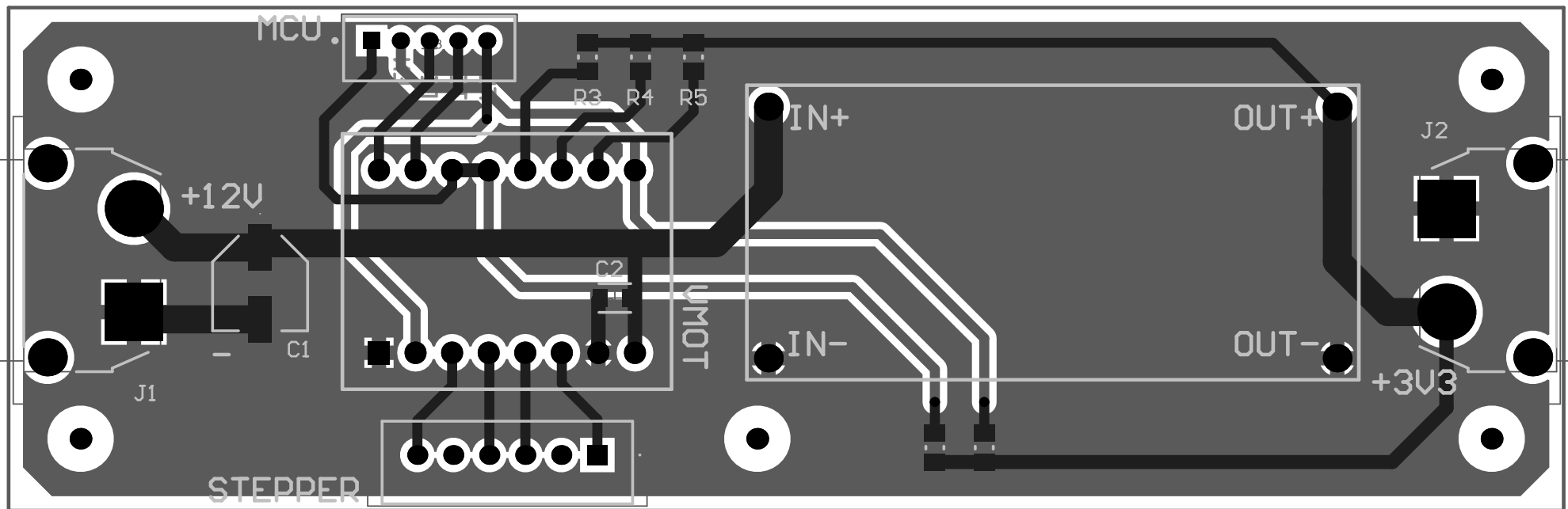


DC-DC STEP DOWN



MCU CONNECTOR





Comment	Description	Designator	Footprint	LibRef	Quantity
100uF	Capacitor Polarised	C1	EE-HZA1E101XP	EE-HZA1E101XP	1
100nF		C2	FP-0805-L_2_01_0_2-W_1_25-MFG	CMP-1036-04738-3	1
XT60PW-F	Connector	J1, J2	XT60PWF	XT60PW-F	2
B5B-PH-K-S(LF)(SN)	CONN HEADER VERT 5POS2MM	J3	FP-B5B-PH-K-S_LF_SN MFG	CMP-2000-05908-2	1
B6B-XH-A	Connector	J4	B6BXHA	B6B-XH-A	1
10k		R1, R2	RESC2013X60X35ML1 0T20	CMP-2100-03671-1	2
0		R3, R4, R5	RESC2013X60X35ML1 0T20	CMP-2100-03671-1	3
LM2596S	LM2596S DC-DC Buck Converter: step-down voltage regulator, 3A max, 1.23–37V output	U1	LM2596S	LM2596S	1
DRV8825	DRV8825 stepper motor driver module	U2	DRV8825	DRV8825	1