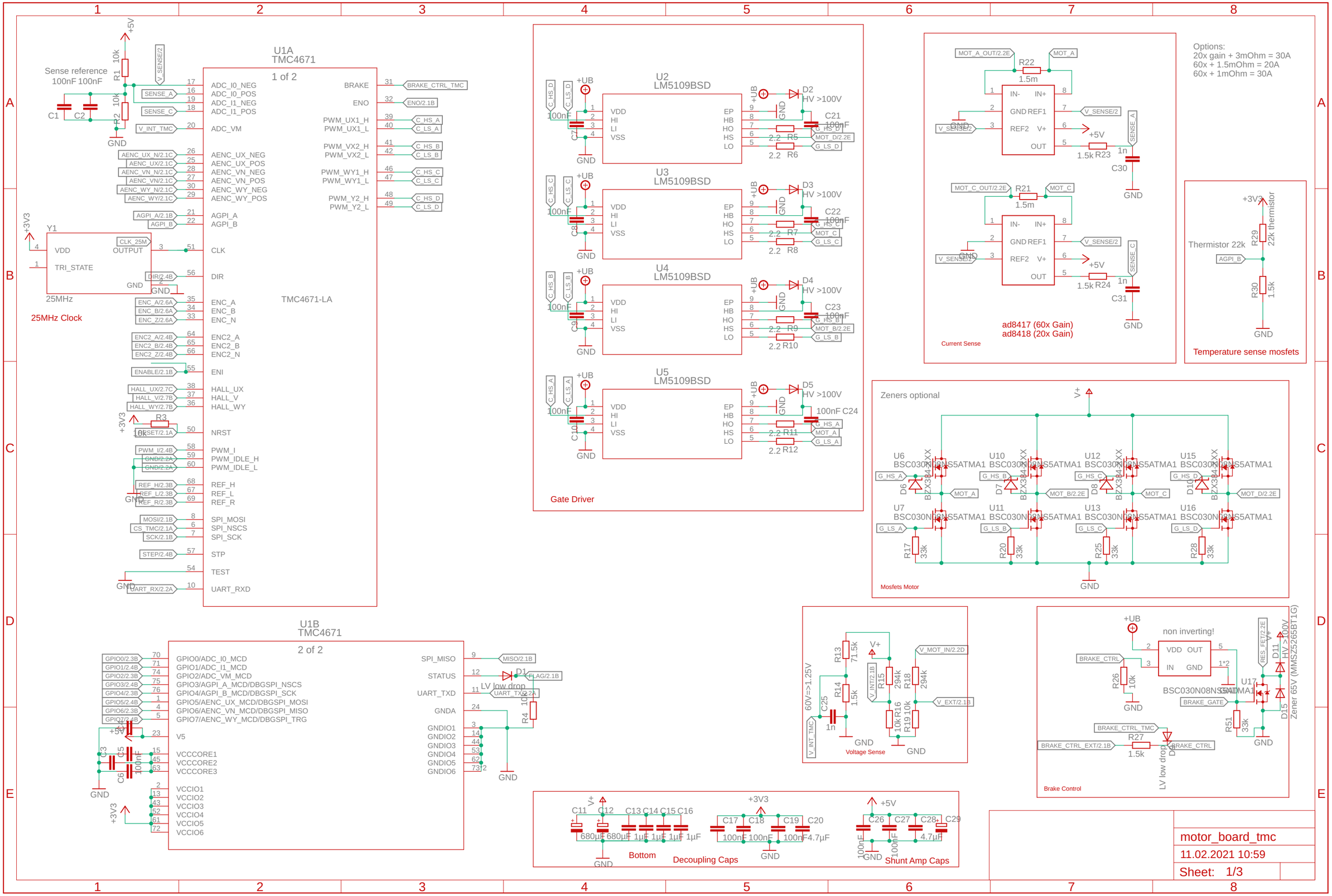
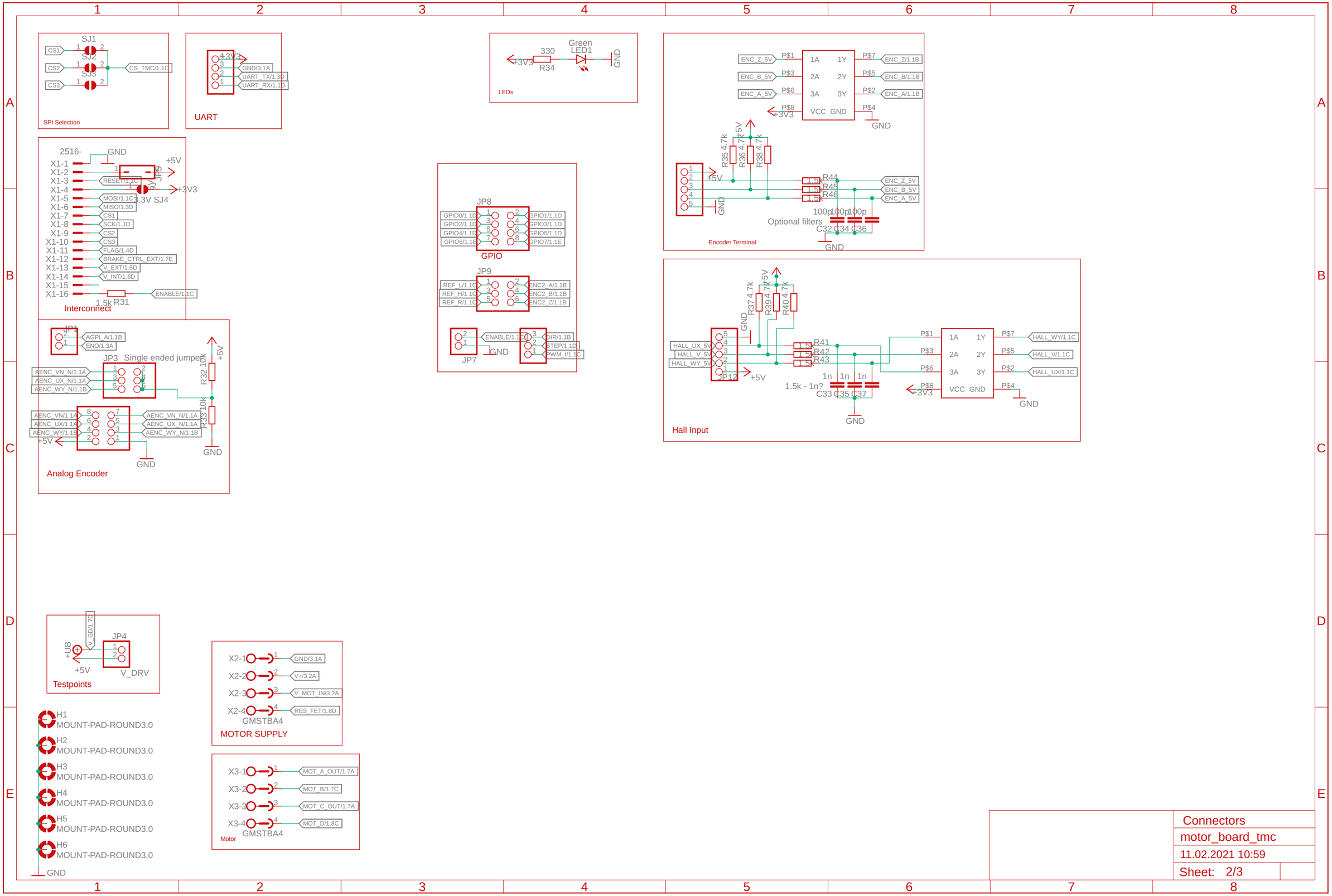
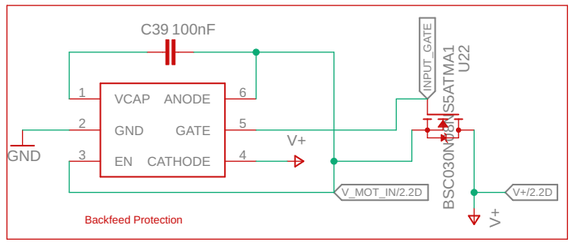
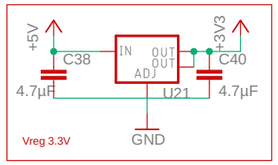
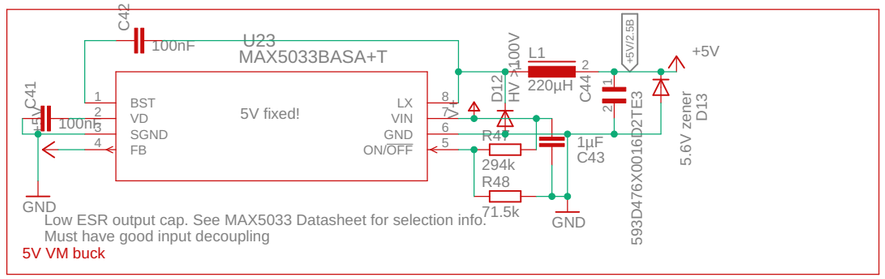

U1A
TMC4671
1 of 2
TMC4671-LA
Sense reference
100nF 100nF
25MHz Clock
U1B
TMC4671
2 of 2
U2
LM5109BSD
U3
LM5109BSD
U4
LM5109BSD
U5
LM5109BSD
Gate Driver
Options:
20x gain + 3mOhm = 30A
60x + 1.5mOhm = 20A
60x + 1mOhm = 30A
ad8417 (60x Gain)
ad8418 (20x Gain)
Current Sense
Thermistor 22k
Temperature sense mosfets
Zeners optional
Mosfets Motor
Voltage Sense
Brake Control
Bottom
Decoupling Caps
Shunt Amp Caps
motor_board_tmc
11.02.2021 10:59
Sheet: 1/3



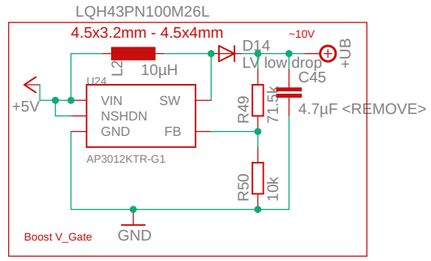
	Connectors
	motor_board_tmc
	11.02.2021 10:59
	Sheet: 2/3







https://datasheets.maximintegrated.com/en/ds/MAX5033.pdf
MAX5033



motor_board_tmc	
11.02.2021 10:59	
Sheet: 3/3	