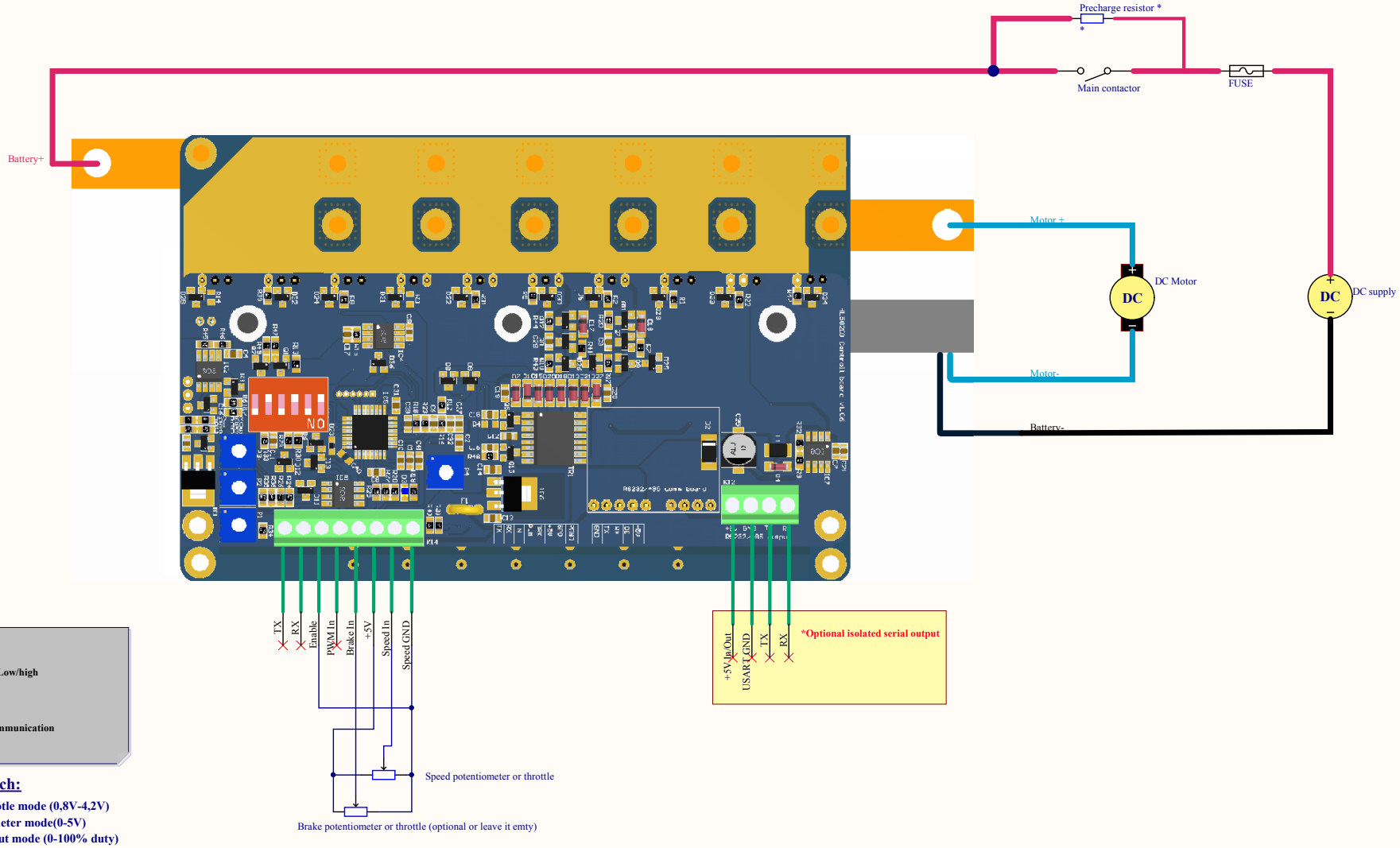
Istructions for the heatsink: For the maximum power you need to add extra heatsink to the aluminium block. The size is depending on the ambient temperature and the air ventillation. For details check the datasheet.



LED lights if:
-Enable input open
-Temperature protection
-Supply voltage protection Low/high
-Current limti active

LED may also blink
-2 times at start
-under running at serial communication
-if current limit is active

RED MODE switch:

1OFF-2OFF: Hall throtle mode (0,8V-4,2V)
1OFF-2ON: Potentiometer mode(0-5V)
1ON-2OFF: PWM input mode (0-100% duty)
1ON-2ON: RC-receiver PWM mode (standard 1,5msec)
3OFF: Peak current OFF; 3 ON: Peak current ON
4ON: RS232, UART simple command mode communication
4OFF: RS232, USART advanced mode
5OFF: Manual regen (regen input 0-5V >0,15V activates the braking. Top braking force adjusted by P3)
5ON: Autoregen ON. Brake input must be connected to +5V. Brake activates automatically if RPM lower than speed input. Max brake force adjusted with P3
6OFF: Normal PWM duty mode
6ON: Speed stabilization mode. Use P4 to set the maximum reference output voltage.

P1 current limit: CCW 0A ; CC 200A
P2 ramp (acceleration limit) CCW 0 sec ; CC 40 sec
P3 maximal brake force: CCW 0A ; CC 200A
P4 maximum output voltage: CCW 0V; CC 50V or 70V depending the model.

Title	Standard potentiometer or throttle + brake pot	
Size A3	Number HL50200 v1.06	Revision Rev1
Date: 2022.03.14.		Sheet of
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