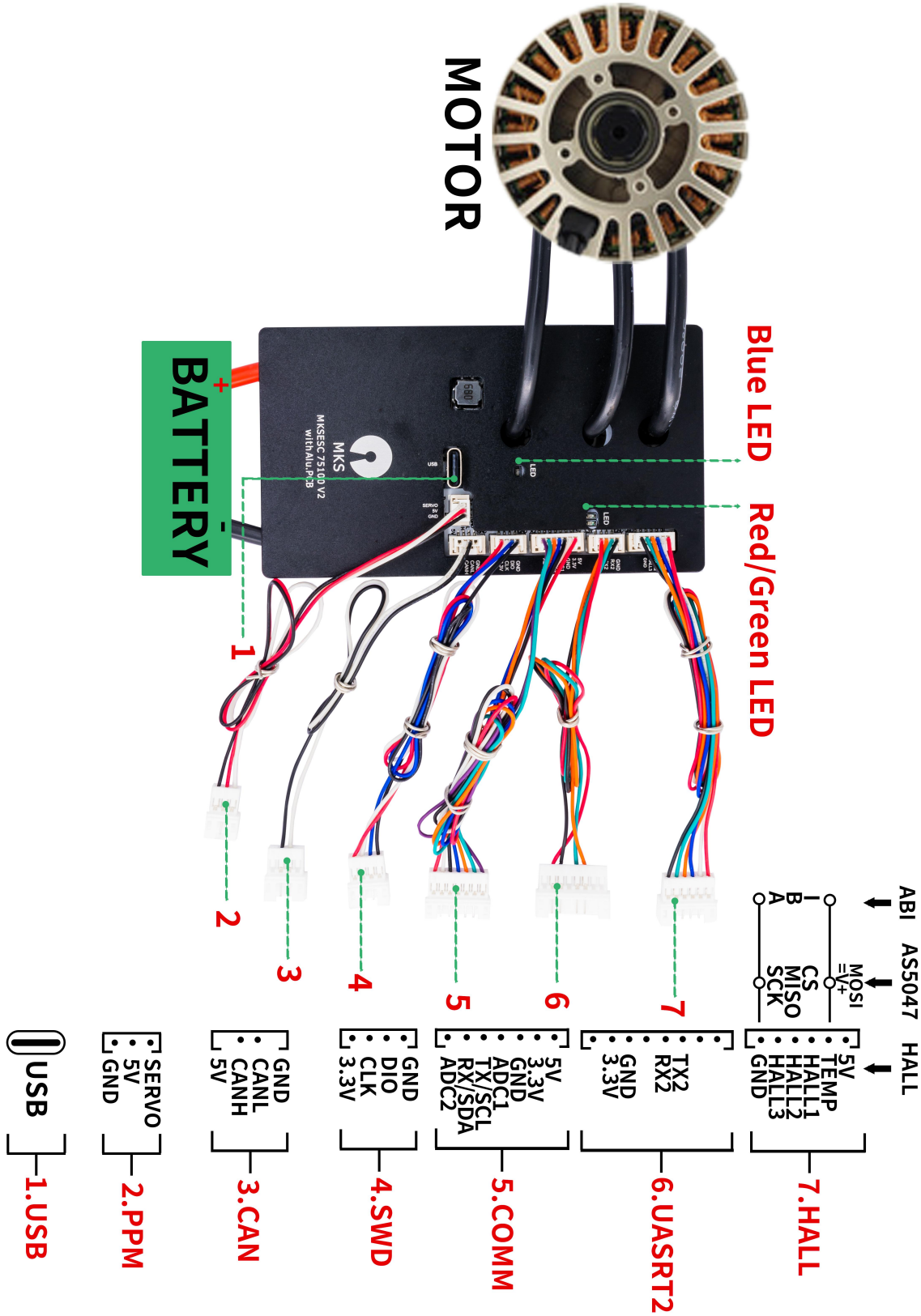
Wiring diagram



MKSESC 75100 V2.0 MANUAL

The Makerbase ESC is based upon the VESC Open Source Project,and compatible with VESC Software.

The MKSESC 75100 is based on VESC 75 series, programmable via vesc_tool3.0 (firmware5.2) with overheat and over current protection, regenerative braking capacity.

The MKSESC 75100 is designed with aluminum case, with good heat dissipation and max working voltage can be 20S, 84V.Also,it has two COMM port supporting UART mode parts like IMU, bluetooth module, screen display or remote controller.

Specifications :

- Hardware: V75100 V2.0
- Firmware: VESC_TOOL3.0(firmware5.2), refer to the Github-wiki tutorial for the latest firmware upgrade.
- Voltage: 14V-84V(safe for 4S to 20S)
- Current: 100A continuous, 120A peak
- BEC: 5V@1A
- ERPM: 150000
- Control interface Ports: USB, CAN,UART
- Supported Sensors: ABI, HALL, AS5047, AS5048A
- Input Set Support: PPM, ADC, NRF, UART
- Modes: DC, BLDC, FOC(sinusoidal)
- Regenerative Capacity: Yes
- Programmable: Yes
- Motor Cable: 12AWG
- Power Cable: 12AWG
- Product Size: L103mm*W58mm*H18.5mm

Technical support:

MKSESC step by step lessons in YouTube:
https://www.youtube.com/playlist?list=PLc2RScfrSFECJst8vKtBXp192P-YP1ry5

MKSESC repository in Github:
https://github.com/makerbase-mks/VESC-MKS

The shipping package contains:

1*MKSESC 75100 V2.0
1*Type-C USB Cable
1*MKSESC 75100 V2.0 Manual