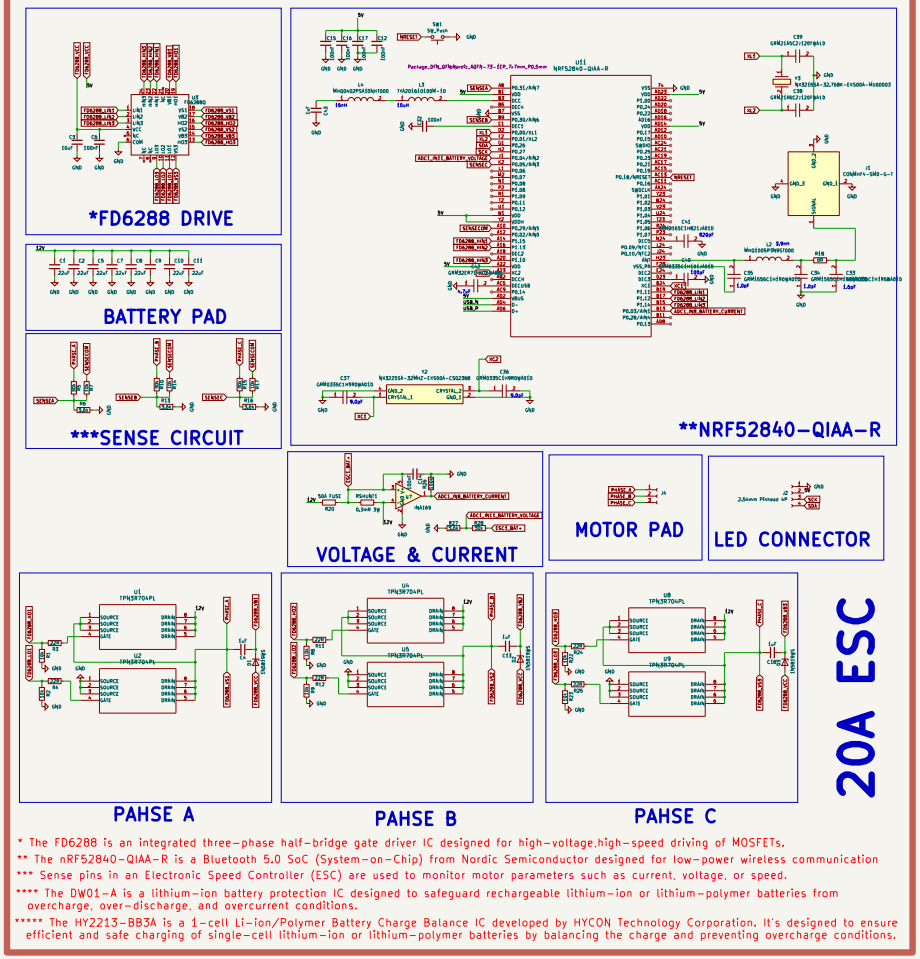


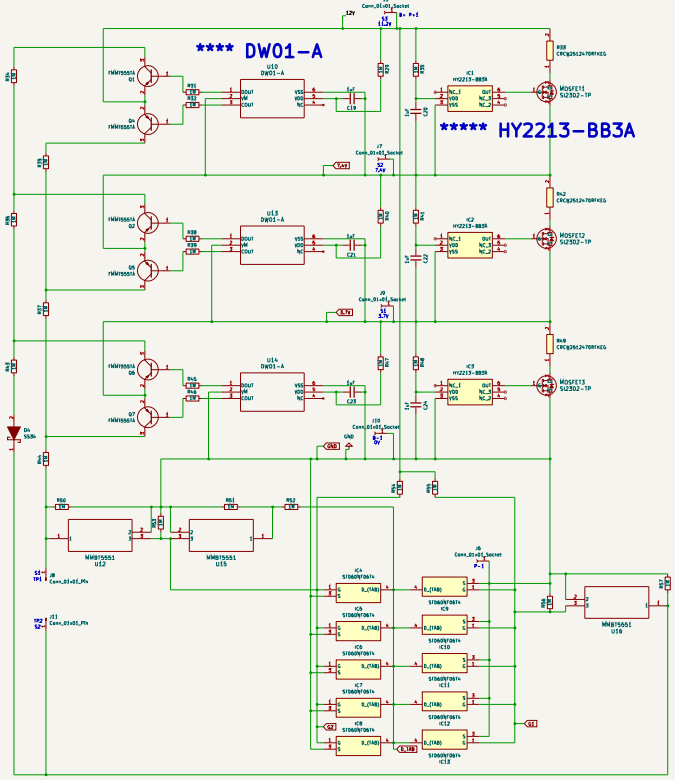
* The FD6288 is an integrated three-phase half-bridge gate driver IC designed for high-voltage,high-speed driving of MOSFETs.

** The nRF52840-QIAA-R is a Bluetooth 5.0 SoC (System-on-Chip) from Nordic Semiconductor designed for low-power wireless communication

*** Sense pins in an Electronic Speed Controller (ESC) are used to monitor motor parameters such as current, voltage, or speed.

**** The DW01-A is a lithium-ion battery protection IC designed to safeguard rechargeable lithium-ion or lithium-polymer batteries from overcharge, over-discharge, and overcurrent conditions.

***** The HY2213-BB3A is a 1-cell Li-ion/Polymer Battery Charge Balance IC developed by HYCON Technology Corporation. It's designed to ensure efficient and safe charging of single-cell lithium-ion or lithium-polymer batteries by balancing the charge and preventing overcharge conditions.



3S BMS

NOTES

PCB design measuring 140mm x 18mm with USB-C, BMS, 20A ESC, OLED screen and NRF52840

1- Dimensions: 140mm (L) x 18mm (W)
2- Input Voltage: BMS Compatible with a 3S Lion battery (11.1V - 12.6V)
3- Battery Management System (BMS) integration
4- USB-C input with balance charging
5- 20A ESC support for a brushless motor
6- A NRF52840 microcontroller
7- OLED screen connector

12V TO 5V CONVERTER USB TYPE C