New Release

# LTEC Corporation

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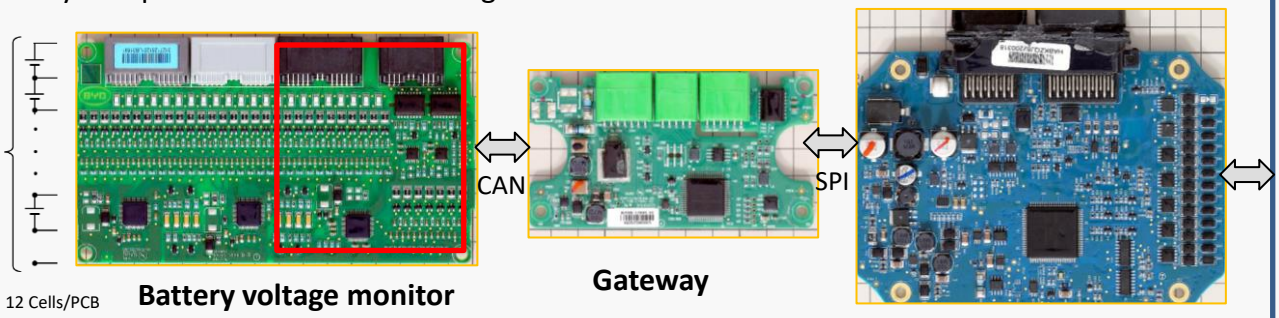
## BYD YUAN EV360 Li-ion BATTERY MANGEMRNT SYSTEM (BMS) PCBs CIRCUIT ANALYSIS REPORTs

***February 2020.*** BMS of BYD YUAN EV360 consists of five PCBs. (Three Battery voltage monitor PCBs, one Gateway PCB and one BMS control PCB). LTEC Corporation released detail circuit analysis reports of each PCBs. BYD logo was found in each PCBs.




**Battery voltage monitor** **Gateway** **BMS control PCB**

### Product outline

- The EV360 is the compact SUV (2018 model) manufactured by Chinese EV top maker, BYD.
- The mileage per charge is 305km.(Specification) and built in 30-36 LiB cells.

### Basic features

PCB1: The 12-cell Li-ion battery is monitored having cell balancing system.

PCB2: Communication board (CAN and SPI)

PCB3: Control cell monitoring board and outside

### Report content & Price

| | No. of page | Report contents | Report number |
|---|---|---|---|
| PCB1 | 34 (Note1) | PCB image (each layers), Component list<br>Function block diagram<br>Component level schematic<br>Cross reference viewer tool | 20G-0006-2 |
| PCB2 | 17 | | 20G-0006-1 |
| PCB3 | 32 | | 20G-0006-3 |

Note1:

- Since there are the identical circuits in the board, the detail circuit analysis was performed for one of them. (Red box area of the above image)
- Pattern analysis for insulation distance was performed for PCB1

Note2: The report price may change over time. For current price contact **info@ltecusa.com**.

20G-0006-1,2,3

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# (PCB1)
## Battery voltage monitor





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# (PCB2)
## BMS control PCB





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# (PCB3)
## Gateway PCB





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