

## ECU(Left) : mounted in CYBERTRUCK Circuit Analysis report



CYBERTRUCK (from Web info)



Overview of Integrated ECU (Left)



PCB (Top View)

Reference:

<https://hypebeast.com/jp/2022/7/cybertruck-delivery-mid-2023-date-news-info>

### **Overview**

TESLA announced CYBERTRUCK in November 2019.

The price of the vehicle is about \$70000 for the rear-wheel drive (RWD) model, and about \$0.1 million for the highest performance version, the CYBERBEAST. This automobile has attracted attention because of its unique exterior, but it also has a variety of new techniques as the newest model in TESLA. (The company's first 800V system. The auxiliary battery uses 48V system.) As the main controller modules, there are two door controller ECUs for front and rear, and three body controller ECUs for right, left, and rear.

This report is a component connection/circuit analysis report of left Body Controller (ECU) installed in RDW model.

### **Product features**

- Size: 345mm (W) × 310mm (L) × 106mm (H) Weight: 1.86kg
- Air cooling
- 80V is the maximum rated voltage of all the mounted aluminum electrolytic capacitors.
- The PCB is constructed using a large number of ceramic capacitors common in TESLA vehicle.
- Function blocks are on this PCB are Fan Control, Hight Side SW, Locking Differential Coil & Oil Pump Control, Light wiper & Horn Control, Brake Control, Frunck Control, Steering Column Control, Seat Control, Damper Valve Control, Ride Height & Accelerator Pedal Sensing, Speaker Control, Automotive Ethernet, and I/O Signals & Pass-Through Lines



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### **Report Contents**

#### **(1) Component Connection ( 88pages)**

- Product teardown
- Component list including value
- PCB Layer view
- Component Connection (Netlist, Viewer software)
  - \*Can check connections between components.

#### **(2) Circuit analysis**

- Product teardown
- Component list including value
- Detail component level schematic, Function block diagram
- Cross reference viewer software

### **Report price**

**Delivered one week after order placement for both Report (1) and (2)**

**Please contact us for report pricing.**



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Report No : 24G-0178-2  
Release day : 2025.03.19

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