

ECU(Rear) : mounted in CYBERTRUCK Circuit Analysis report



CYBERTRUCK (from Web info)



Product Overview



PCB (Top view)

Reference:

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

Overview

TESLA announced CYBERTRUCK in November 2019.

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.)

The power supply for each vehicle-mounted unit is integrated and controlled by the Body Controller (Right, Left, and Rear modules) .

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

Product features

- Size: 258mm (W) × 159mm (L) × 86mm (H) Weight: 1180g
- Air cooling
- Among the aluminum electrolytic capacitors installed, the maximum rated voltage is 63V
- Presumed to be connected to Cargo Bed, etc.
- Function blocks are on this PCB are Internal Power Supply, CAN Communication, I/O Signals & Pass-Through Lines, Tailgate Latch Control, Lamp & Oil Pump Control, Seat Heater Control, Occupancy & Buckle Sensing, High-side SW, Parking Brake Control, Tonneau Motor Control, Air Suspension Control, Wheel Sensing, Speaker Control, Automotive Ethernet, and MCU & Peripherals.



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Report Contents

(1) Component Connection report (94pages)

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

(2) Circuit analysis report (92pages)

- 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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