New Release

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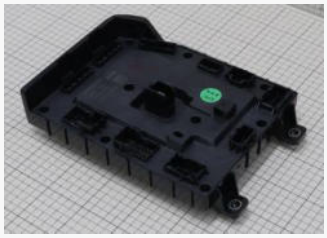
Left Body Control Module (BCM (ECU)) : Xiaomi SU7 Teardown Report

Xiaomi SU7 (from Web info)

https://hu.motor1.com/news/703064/xiaomi-su7-onallo-parkolas-video/



Overview of ECU (BCM LH)

Innerview of ECU (BCM LH)

Overview

Xiaomi, the Chinese electrical appliance maker announced its first battery electric vehicle (BEV) Xiaomi SU7 in March 2024.

Body Control Module (BCM) is also called integrated electronic control unit (ECU), which manages the power supply of ECU scattered around vehicles collectively

There are many advantages such as efficient control of installed sensors and motors, and reduction of wiring harness. Many manufacturers are moving in the direction of adoption.

The Xiaomi SU7 is equipped with Left Unit, Right Unit, Front Unit three types of BC. It is assumed that the unit manages the same e-Fuse as TESLA.

This is a teardown report of left body control module (BCM (ECU)) installed in Xiaomi SU7 with grade Max.

Product features

・IC and discrete components are made in major manufacturers such as Infineon, Texas Instruments, STMicroelectronics, etc.

・The power supply line is provided with a bus bar and a board pattern to prevent heat.

・Press-fit pins are used for the connectors.

Report Contents (14 pages)

- Product teardown, parts measurement (size & weight)
- Identification of key ICs on the PCB (including datasheet, if we found).
- Connection Diagram

Report price

Delivery one week after order placement

Please contact us for report pricing

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Table of Contents