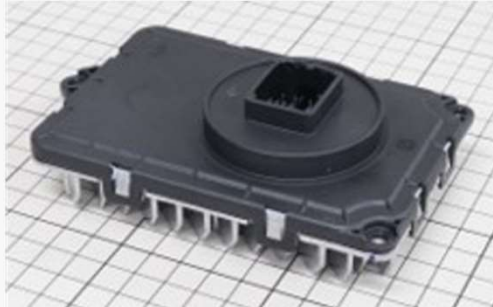


## Adaptive Driving Beam (ADB) System : Xiaomi SU7 Teardown Report



Xiaomi SU7(from Web info)

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



Overview of Adaptive Driving Beam System



PCB

### Overview

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

In this vehicle, adaptive driving beam system (ADB) is installed as a head light. It ensures excellent sights by detecting the leading and oncoming vehicle, and controlling the direction and on-and-off of LED.

This is a teardown report of adaptive driving beam system installed in Xiaomi SU7 Max.

### Product features

- 6 LED are controlled by 3 LED driver chips  
(Array type: control multiple LEDs separately)
- 32bit Micro-Controller, motor driver, head-light-powered motor driver, CAN transceiver are key ICs.

### Report Contents (10 pages)

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

### Report price

**Delivery one week after order placement**

**Please contact us for report pricing**

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