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What is a sunroof micro-module



Overview

The power behind the sunroof module: it is a standalone electronic unit designed to drive up to two motors for foldable roofs. Its intelligent motor control delivers smooth, precise sunroof operation for effortless opening and closing. The MCU serves as the system's core, interpreting user inputs such as switches or touch commands and managing functions like tilt, slide, and full open/close positions. This TI Design uses the DRV8703-Q1 gate driver with an integrated current-shunt amplifier alongside two dual-package. Explore advanced roof control modules featuring interior and ambient light control Benefit from high-quality solutions tailored to your roof control module needs. Our comprehensive portfolio includes integrated motor control with diagnostics, automotive LED drivers for high-brightness LEDs. Understanding Sunroof Working & LIN Communication in Modern Vehicles □□ A modern sunroof system is controlled electronically using a Sunroof Control Module, motor, switches, and limit sensors.



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Article Content

Sunroof module

The power behind the sunroof module: it is a standalone electronic unit designed to drive up to two motors for foldable roofs. Its intelligent motor control delivers smooth, precise sunroof operation for

Small-Footprint Sunroof Motor Module Reference Design

Two of these devices are used in this design to encode the speed and direction of the motor used for opening and closing a sunroof. The magnetic field is indicated through a digital bipolar latch output.

Roof control module

Explore advanced roof control modules featuring interior and ambient light control. Benefit from high-quality solutions tailored to your roof control module needs.

Sunroof Control Module & LIN Communication in Modern Vehicles

Understanding Sunroof Working & LIN Communication in Modern Vehicles □□ A modern sunroof system is controlled electronically using a Sunroof Control Module, motor, switches, and limit sensors ...

Custom Sunroof Module

There are a few solutions to this, most involve a small microcontroller. You''ll need power filtering, due to alternator noise spikes, engine noise, etc. Input capacitor and resistor to reduce the

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Control Module, Sun Roof, Replacing The illustrations in this service information are used for different model years and/or models. Some variation may occur. However, the essential information in the

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

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