

Automotive ABS and ESC Module

This module integrates both Anti-lock Braking System (ABS) and Electronic Stability Control (ESC) functions. It prevents wheel lock-up during braking and enhances vehicle stability by selectively braking individual wheels.



ADDITIONAL IMAGES



Product Overview

Advanced Safety Control Module

This automotive Anti-lock Braking System (ABS) and Electronic Stability Control (ESC) module is a critical safety component designed to optimize vehicle handling and braking performance. By integrating electronic control circuitry with a high-precision hydraulic control unit, the system actively manages braking force to prevent wheel lock-up and counteracts skidding during critical driving maneuvers. This self-contained unit interfaces seamlessly with vehicle onboard computers to ensure stability and driver control in diverse road conditions.

Technical Specifications

Integrated Components

- Electronic Control Unit (ECU)
- Hydraulic Control Unit
- Hydraulic Valves
- Integrated Pumps
- Sensor Interface

Part Identification Number

12082200011696

Core Functions

Anti-lock Braking (ABS), Electronic Stability Control (ESC), Wheel Lock-up Prevention, Oversteer/Understeer Correction

Connectivity

Interface Features

- Multi-port hydraulic line connections
- Data communication electrical connector
- Power supply terminal