

# NJJ29C0BHN: Low Frequency Driver & Receiver IC for Passive Keyless Entry Applications

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## Overview

The NJJ29C0 low Frequency (LF) transceiver integrates a 6-channel Class D\* LF driver, DC-to-DC boost converter, microcontroller, and the immobilizer reader. The device supports a shared Passive Keyless Entry (PKE)/Immobilizer coil and enables increasingly popular features such as welcome lighting and passive, walkaway locking. NJJ29C0 is designed to seamlessly work with NXP's advanced transponder, microcontroller, and radio transmitter technologies, completing NXP's portfolio of full solutions for Secure Car Access systems. Remote access applications based on NXP's full system solutions also deliver good security.

For additional information and sample availability, contact your local [Sales Office](#) or [Authorized Distributor](#).

## Features

- Integrated functionality
  - On-chip DC-to-DC supply boost
  - 6 wake-up inputs (e.g. for sensor interfaces)
- 6 LF full-bridge drivers
- High sensitivity/high noise immunity/low power dissipation
  - Class D\* implementation for low internal power dissipation
  - High receiver sensitivity for large immobilizer operating range
- Up to 3 channels with peak currents up to 1 A each

## Other Recommended Products

[NCF29A1MHN : Tiny Single Chip Passive Keyless Entry/Go Solution](#)



## Target Applications

- Secure Car Access

- Immobilizer
- Welcome Light
- Walk Away locking
- Transponder

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