



# FlexRay Communication Controller

## MFR4310

新規採用非推奨

このページでは、新規設計を推奨しない製品に関する情報を掲載しています。

Last Updated: Apr 9, 2022

FlexRay™ networking is a next-generation automotive communication protocol featuring high bandwidth, determinism, and fault tolerance.

The NXP® MFR4310 stand-alone FlexRay controller eases the integration of FlexRay communication in applications using MCUs without an embedded FlexRay controller.

- Provides high-speed deterministic distributed control for advanced automotive applications
- Communicates directly with the S12X family of 16-bit MCUs, and the MPC500 and MPC5500 families of 32-bit MCUs
- Offers system-wide redundancy to meet reliability requirements of emerging safety systems
- Complies with FlexRay Consortium Specification v2.1A

## MFR4310BLKDIAG Block Diagram

**Voltage Regulator**

**Oscillator**

**Clk+Res Mod**

**Ext Clk Int**

**Asynchronous  
Interface**

**S12  
Interface**

**FlexRay™  
Host Interface**

**Receiver A**

**Receiver B**

**Transmitter A**

**Transmitter B**

View additional information for [FlexRay Communication Controller](#).

**Note:** The information on this document is subject to change without notice.

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