

FlexRay Communication Controller

MFR4310

Not Recommended for New Designs

This page contains information on a product that is not recommended for new designs.

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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