DEVKIT-S12VRP: S12VRP Evaluation Board

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Overview

The DEVKIT-S12VRP features the S12VRP microcontroller, an automotive 16-bit MCU for motor control relay based applications. The S12VRP integrates an S12 CPU, a LIN physical interface, a current sense amplifier, a 5V regulator system to supply the microcontroller and Low-Side drivers to control the relay.

The DEVKIT-S12VRP is an ultra-low-cost development platform that includes a relay, switch buttons, an RGB LED, circuitry for a current sense amplifier, access to all pins and an onboard OSBDM.

DEVKIT-S12VRP

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DEVKIT-S12VRP

S12VRP Block Diagram

Specifications

Technical and Functional Specifications

Microcontroller	MC9S12VRP in 48 pins LQFP
Connectivity	• BDM Connector • Connector for LIN Output • Connector for Motor Control
User components	Relay and shunt resistor

Design Resources

Get Started

1. Review these Get Started and Quick Reference Guide to get familiar with the hardware specifications.

Get Started and Quick Reference Guide

Get Started with the DEVKIT-S12VRP

🌐 HTML GS-DEVKIT-S12VRP

DOCUMENTS (2)

Users Guide (1)

Quick Reference Guide (1)

DESIGN RESOURCES (1)

Design Tools & Files (1)

SOFTWARE (1)

Embedded Software (1)

Documents

Users Guide (1)

Get Started with the DEVKIT-S12VRP

This page will help guide you through the process of learning about your DEVKIT-S12VRP board.

📄 GS-DEVKIT-S12VRP   26 Mar 2019   GS-DEVKIT-S12VRP   [English]

Quick Reference Guide (1)

DEVKIT-S12VRP Quick Support Guide (REV 1)🔒

DEVKIT-S12VRP Quick Support Guide

📄 PDF   1.3 MB   21 Feb 2018   DEVKIT-S12VRP-QSG   [English]

Design Resources

Design Tools & Files (1)

Printed Circuit Boards and Schematics (1)

DEVKIT-S12VRP Schematic (REV 0)🔒

DEVKIT-S12VRP Schematic

Get Help

🔍 Search NXP Community   **SEARCH**

Recommended Communities

S12 / MagniV Microcontrollers ↗

CodeWarrior Development Tools↗

Suggested Links

List of MagniV S12(X) Examples and Documents↗

List of MagniV S12(X) Application notes↗

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