

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.



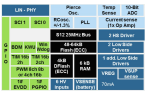
DEVKIT-S12VRP



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S12VRP Block Diagram



Specifications

Technical and Functional Specifications

Microcontroller	MC9S12VRP in 48 pins LQFP
Connectivity	<ul style="list-style-type: none">BDM ConnectorConnector for LIN OutputConnector 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

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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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