DEVKIT-S12ZVL: Development Board for 9S12ZVL32 MCU Evaluation

Overview Getting Started Documentation Downloads Buy/Parametrics

Jump To

Overview
Features
Community Discussion
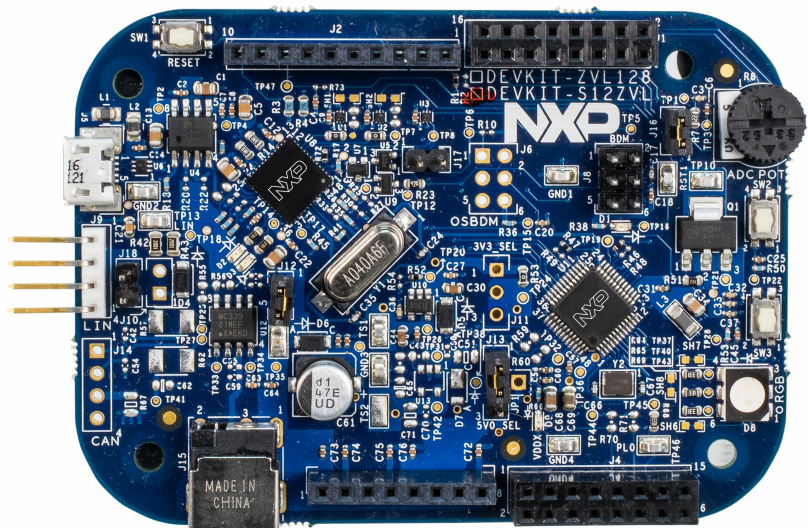Supported Devices
Kit Contains

Overview

The DEVKIT-S12ZVL board features the 9S12ZVL32 16-bit MagniV microcontroller for automotive and industrial applications such as relays and switches. The S12ZVL family features an S12Z core, scalable memory up to 16 KB of Flash, integrated high voltage VREG capable of 70mA 5V, 1 x SPI, 2 x SCI/LIN, 1 x IIC and is offered in 32 and 48 LQFP packages and supports -40 to 125 °C temperatures.

The DEVKIT-S12ZVL is a low-cost development kit with CAN, LIN/SCI connections and 10-bit ADC in a small form factor board compatible with the Arduino™ R3 UNO pinout. It has expansion options using the DEVKIT-COMM board. The development kit features a 12 V power supply, USB powered OpenBDM debug, potentiometer, dual push buttons and RGB LED.

🛒 Buy

DEVKIT-S12ZVL: Development Board for S12ZVL MCUs

Features

- 9S12ZVL32 MCU
- OSBDM on-board open source programming and debugging tool
- USB to Serial Interface
- RGB LED
- ADC Potentiometer
- Supports CAN and LIN connectors

Supported Devices

- S08JM: 8-bit USB Cost-Effective JM MCUs
- S12ZVL: S12ZVL Mixed-Signal MCU for Automotive & Industrial LIN Applications

Community Discussion

💬 **SW example of Security feature with Backdoor Access Key option for**

- Power LEDs indicators

Note: 12V (1 Amp) power supply is required for debugging and CAN/LIN communication, this is not included in the kit

Kit Contains

- DEVKIT-ZVL128 Development Board

S12ZVL MagniV microcontroller

POSTED IN S12 / MagniV Microcontrollers BY Ivan Govorcin

A Library of Functions for HD44780 Based LCD Modules (no R/W) for S12Z devices

POSTED IN S12 / MagniV Microcontrollers BY Ladislav Makovic

S12ZVL-TIM-FrequencyMeasurement-V1_0-CW106-TIC-EXAMPLE

POSTED IN S12 / MagniV Microcontrollers BY Ladislav Makovic

Join the conversation ›

Start Here! Getting Started on your DEVKIT-S12ZVL

This page will help guide you through the process of learning about your DEVKIT-S12ZVL board…