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TWR-S12G64: MC9S12G64 Automotive 16-bit Tower System Module ☆

Overview | Documentation | Downloads | Buy / Specifications | Training & Support

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The TWR-S12G64 is a demonstration board for the MC9S12G64 automotive 16-bit MCUs. An integrated open-source BDM, software tools, and examples provided with the development board make application development and debug quick and easy. All MCU signals are available on one or both edge connectors.

The TWR-S12G64 operates as a standalone debug tool and can also be combined and used as part of the modular Tower System development platform.

Features

- MC9S12G64, 64 LQFP
- 64 KB flash, 2048B EEPROM, 4096B RAM
- 25 MHz Bus Frequency
- Internal oscillator
- SCI, SPI, MSCAN
- Integrated open-source BDM (OSBDM)
- 1 ea. high-speed CAN Physical Layer Transceiver
- 1 ea. Enhanced LIN Physical Layer Transceiver
- RS-232 Serial Data Physical Layer Transceiver
- Power input from OSBDM, Tower System, or External 12V Barrel Connector
- 4 user Push-Button Switches and 4 user LED Indicators
- 4 2x8, 0.1" ctr, to access all MCU pin signal

Related Software and Tools

M68CYCLONEPROE: Cyclone PRO
TWR-S12G128: MC9S12G128 Automotive 16-bit Tower System Module
TWR-S12GN32: MC9S12GN32 Automotive 16-bit Tower System Module

More ▼

TWR-S12G64: MC9S12G64 Automotive Tower System Module

Supported Devices

└ **S12G**: Family 16-bit MCU

Featured Documentation

S12GFS: S12G Family Fact Sheet
TWRS12G64QSG: TWR-S12G64 Scalable Platform for Automotive Applications - Quick Start Guide
MC9S12GRMV1: MC9S12G Family Reference Manual and Data Sheet

Current Updates and Releases

TWR-S12G64_SW_DEMO: Tower S12G64 Software Demo.
TWR-S12G64_SCH: TWR-S12G64 - Schematics

Kit Contains

- **Part Number TWR-S12G64 contains:**
  - TWR-S12G64 board with a MC9S12G64 16-bit MCU
  - DVD with IDE software, training materials and collateral
  - USB cable
  - DB9 to IDC 2X5 Socket Header
  - Freescale Warranty Card
- **Part Number TWR-S12G64-KIT also contains:**
  - **TWR-ELEV**: Tower System Elevator Module
  - **TWR-PROTO**: Prototyping Module with perfboard area

Tower Geeks

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