MPC55xxEVB: MPC55xx Evaluation Board

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Overview & Features

Kit Contains

Supported Devices

Overview

The NXP® MPC55xxEVB evaluation kit includes everything necessary to begin development with the MPC55xx family of MCUs. A comprehensive set of hardware and software development tool options are available including a free flash programmer, initialization tools and assembly-level debug tool.

Features

- Breadboard area, access to all signals
- Nexus connectors (MICTOR and 14-pin Berg). Footprint for robust connector
- 32-channel eTPU connector
- One CAN with PHY (auto temp qualified)
- One LIN transceiver with PHY
- One RS-232 transceiver with PHY
- Eight LEDs
- Four push buttons – one with hardware debounce, eight SPST switches
- Two Potentiometers

[Product Brief]   [Application Notes]   [🛒 Buy]

Kit Contains

- Tools
  - USB Power Architecture® Nexus Multilink
- Compiler Only
  - CodeWarrior (Demo Software)
- Full IDE (Demo Software Only)
  - Green Hills
  - iSYSTEM (GNU other compilers)
  - P&E Micro (GNU compiler + free 64k debugger)
  - Lauterbach
  - Ashling (GNU compiler)
- Initialization Software
  - Treck Ethernet Stack (Demo Software)

Supported Devices

- MPC5534: 32-bit MCU for Low-End Automotive Powertrain Applications
- MPC5553: 32-bit MCU for Automotive Powertrain Applications
- MPC5554: 32-bit MCU for Powertrain Applications
- MPC5561: 32-bit MCU for Automotive ADAS Applications
- MPC5565: 32-bit MCU for Automotive Powertrain and Industrial Applications
- MPC5566: 32-bit MCU for Automotive Powertrain Applications
- MPC5567: 32-bit MCU for Auto Powertrain Applications
- MC33661: LIN Enhanced Physical Interface
- MC33730: Power Supply with Multiple Linear Regulators

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