

TRK-USB-MPC5643L: MPC5643L StarterTRAK for Safety Applications

StarterTRAK is a low-cost development kit based on the MPC5643L that enables rapid prototyping and tool reuse.

Qorivva MPC564xL ICs are a family of powerful [32-bit MCUs](#) for automotive [chassis and safety](#) applications and designs where enhanced motor control and functional safety capability are required.



Supported Devices

[MPC564xL](#): Qorivva 32-bit MCU for Chassis and Safety Applications

Features

- MPC5643L MCU in a 144LQFP package
- On-board JTAG connection via open source OSBDM circuit using the MPC9S08JM MCU
- MCZ3390S5EK system basis chip with advanced power management and integrated CAN transceiver
- CAN & LIN interface
- Analog interface with potentiometer
- High-efficiency LEDs
- SCI serial communication interface
- Connector to BLDC-motorboard

Kit Contains

- TRK-MPC5643L board
- TRK-MPC5643L DVD-ROM (includes CodeWarrior software)
- USB A-to-B cable
- Freescale warranty card
- Quick start guide
- User manual