

## 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.

### 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

### Related Software and Tools

- ▶ [TRK-USB-MPC5602P](#): StarterTRAK USB Development System
- ▶ [XKT564L](#): Evaluation system supporting our MPC564xL 32-bit dual core Power Architecture® microcontrollers
- ▶ [CW-MPC55XX\\_56XX](#): CodeWarrior Development Studio for MPC55xx/MPC56xx (Classic IDE)



### Supported Devices

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