



S32K344 BLDC/PMSM Development Kit

MCSPTTE1AK344

Preproduction

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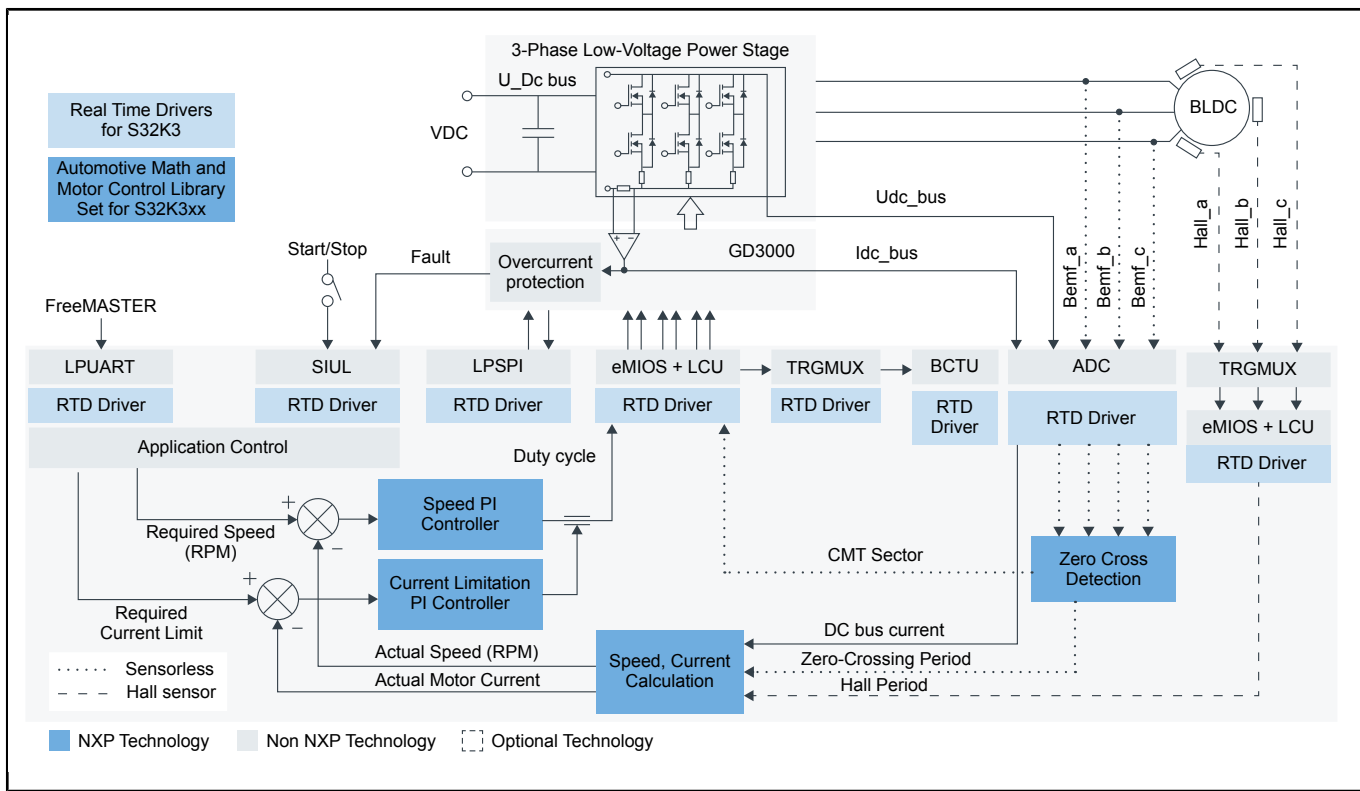
The MCSPTTE1AK344 is a development kit engineered for Brushless Direct Current (BLDC) motor control (targeting Heating, Ventilation and Air Conditioning (HVAC), or electric pumps) and 3-phase Permanent Magnet Synchronous Motor (PMSM) control (targeting active suspension or electric powertrain, eTurbo or belt start generator).

Based on the 32-bit Arm® Cortex®-M7 S32K3 microcontroller and the GD3000 pre-driver, the MCSPTTE1AK344 enables rapid prototyping and evaluation of BLDC and PMSM control applications without having to wait for the final hardware design.

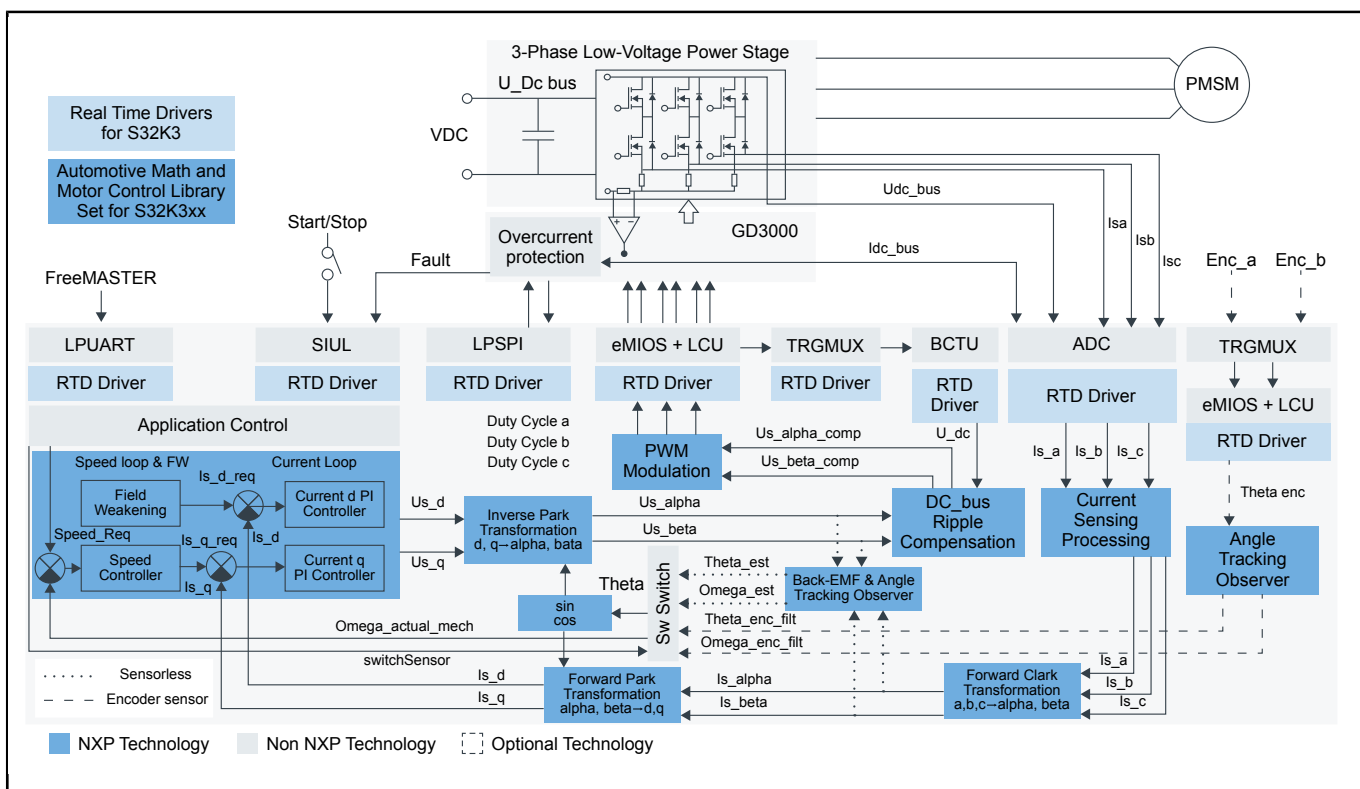
The MCSPTTE1AK344 application software leverages the Automotive Math and Motor Control Library (AMMCLib) set plus Real-Time Drivers (RTD) software package to provide a complete reference implementation for both 3-phase BLDC and PMSM motor control.

The RTD software allows building motor control applications for both AUTOSAR and non-AUTOSAR environments.

MCSPT1AK344 BLDC Block Diagram Block Diagram



MCSPT1AK344 PMSM Block Diagram Block Diagram



View additional information for [S32K344 BLDC/PMSM Development Kit](#).

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