3-Phase Permanent Magnet Synchronous Motor Control Development Kit with S32K396
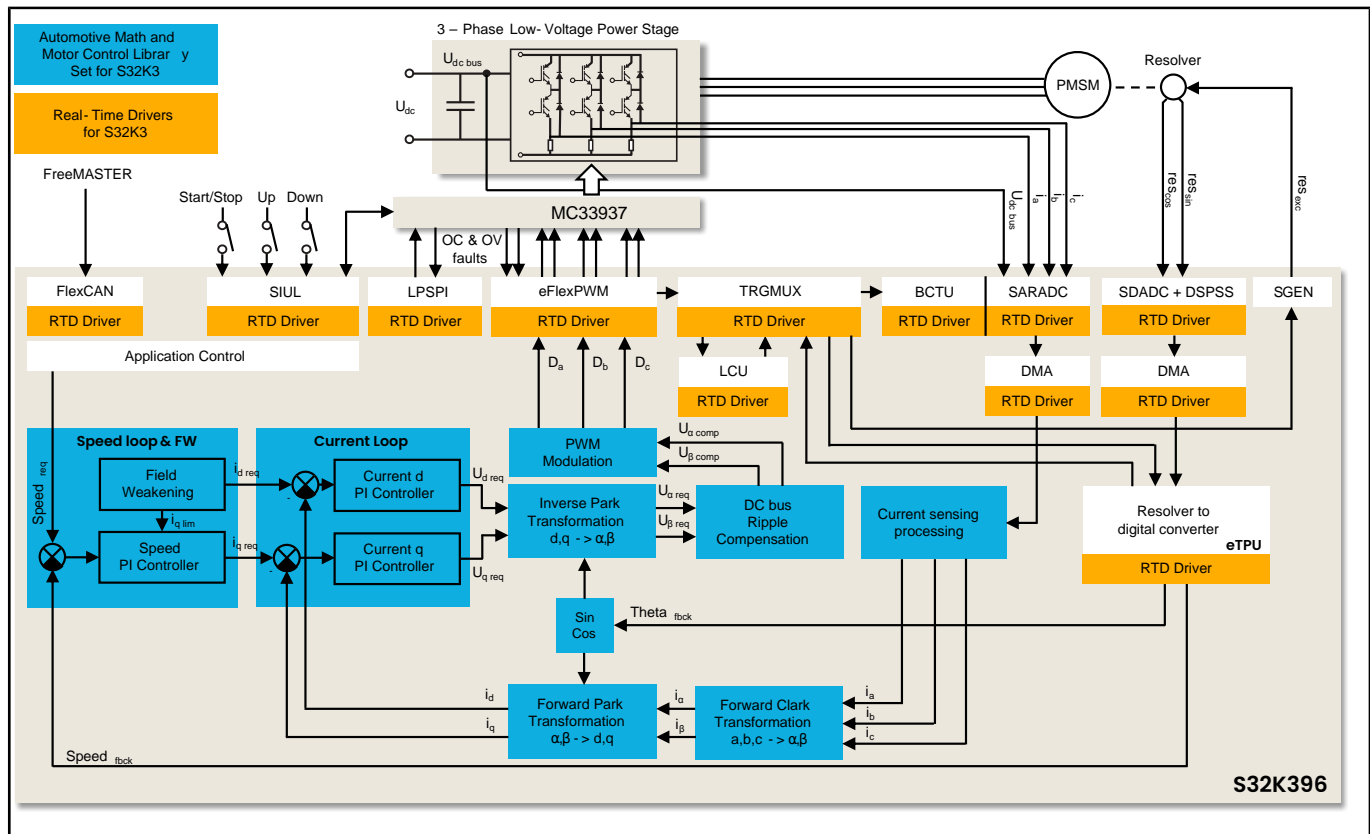
MCSPTR2AK396

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The S32K396 LV Motor Control Kit (MCSPTR2AK396) is a highly advanced, modular kit for PMSM motor control applications. By combining powerful processing, real-time feedback, high-frequency control and safety features into a single offering, this kit is excellent for tackling emerging market demands. It simplifies development, enhances performance, and ensures a robust and future-proof motor control solution.

Based on the 32-bit Arm® Cortex®-M7 S32K39xx microcontroller with eTPU motor control coprocessor and MC33937 FET Pre-Driver, the motor control kit enables rapid prototyping and evaluation of BLDC and PMSM control applications without having to wait for the final hardware design.

The MCSPTR2AK396 application software leverages the Automotive Math and Motor Control Library (AMMCLib) set and Real-Time Drivers (RTD) software package to provide a complete reference implementation.

MCSPTR2AK396 Features Block Diagram

View additional information for 3-Phase Permanent Magnet Synchronous Motor Control Development Kit with S32K396.

Note: The information on this document is subject to change without notice.