



S32K324 Triple Permanent Magnet Synchronous Motor Control (PMSM) Reference Design Board

MCTPTX1AK324

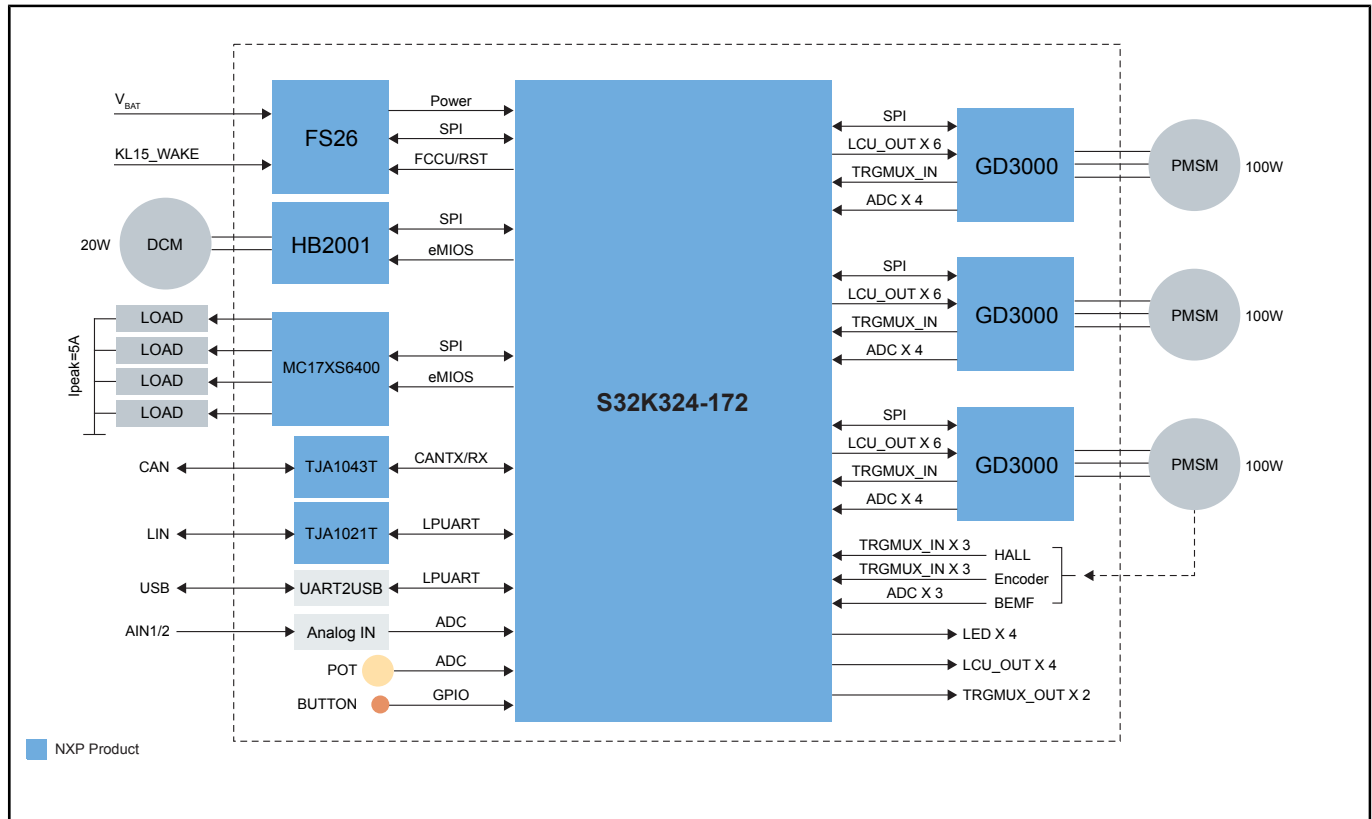
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The MCTPTX1AK324 is a reference design board engineered for out-of-the-box automotive multi permanent magnet synchronous motor (PMSM), targeting electric pumps, electric powertrain, eTurbo or thermal management system controller applications.

Based on the 32-bit Arm® Cortex®-M7 [S32K3](#) microcontroller and the [GD3000](#) pre-driver, the MCTPTX1AK324 controls three sensorless-based PMSMs, one direct current (DC) motor and four valves under low CPU loading.

The MCTPTX1AK324 can be used directly by carmakers, suppliers and software ecosystem partners to accelerate development for a shorter time-to-market.

MCTPTX1AK324 Reference Design Board Block Diagram



View additional information for [S32K324 Triple Permanent Magnet Synchronous Motor Control \(PMSM\) Reference Design Board](#).

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