

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

## MCTPTX1AK324

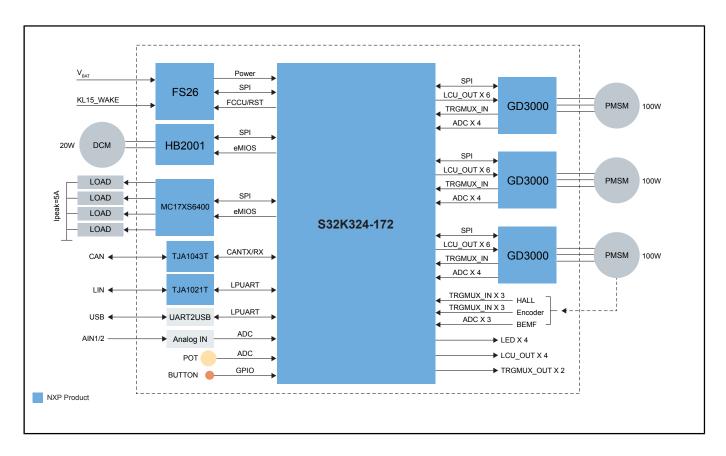
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The MCTPTX1AK324 is a reference design board engineered for out-of-the-box automotive multi permanent magnet synchronous motor (PMSM), targeting electric pumps, electric powertrain, eTurbo or thermal management system controller applications.

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.

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

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