



# S12ZVM 3-Phase Electrical Water Pump (EWP) Reference Design

## S12ZVM-EWP-PMSM

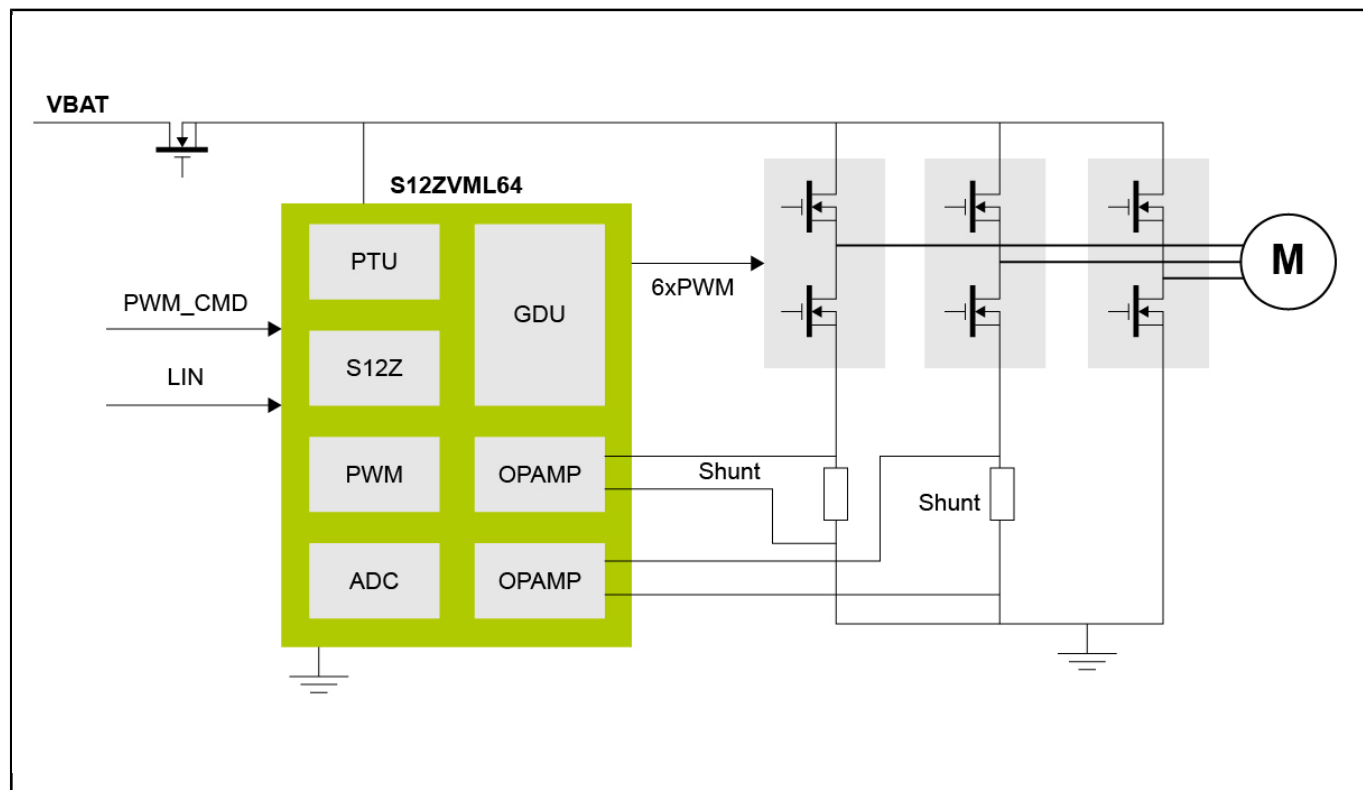
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The S12ZVM-EWP is a reference design board engineered for 3-phase permanent magnet synchronous motor (PMSM) water pump with sensorless FOC dual shunt control applications.

Based on the 16-bit S12 MagniV® S12ZVM mixed-signal microcontrollers, the S12ZVM-EWP provides A-sample PMSM electrical water pump ECU hardware and software to accelerate water pump product development and production.

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### 3-Phase Water Pump Block Diagram



View additional information for [S12ZVM 3-Phase Electrical Water Pump \(EWP\) Reference Design](#).

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

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