Application Software Pack: Dynamic Voltage Scaling using PVT Sensor

APP-SW-PACK-DVS-PVT-SENSOR

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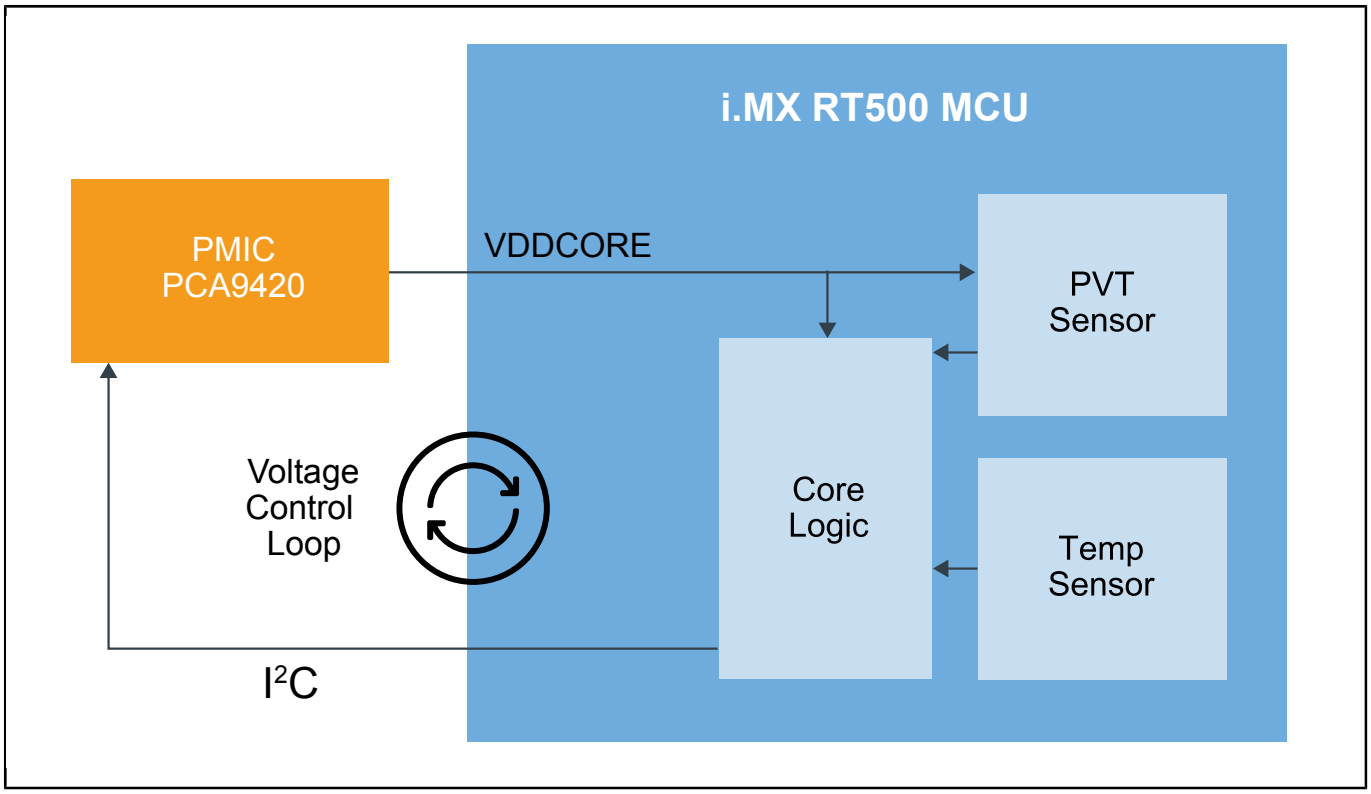
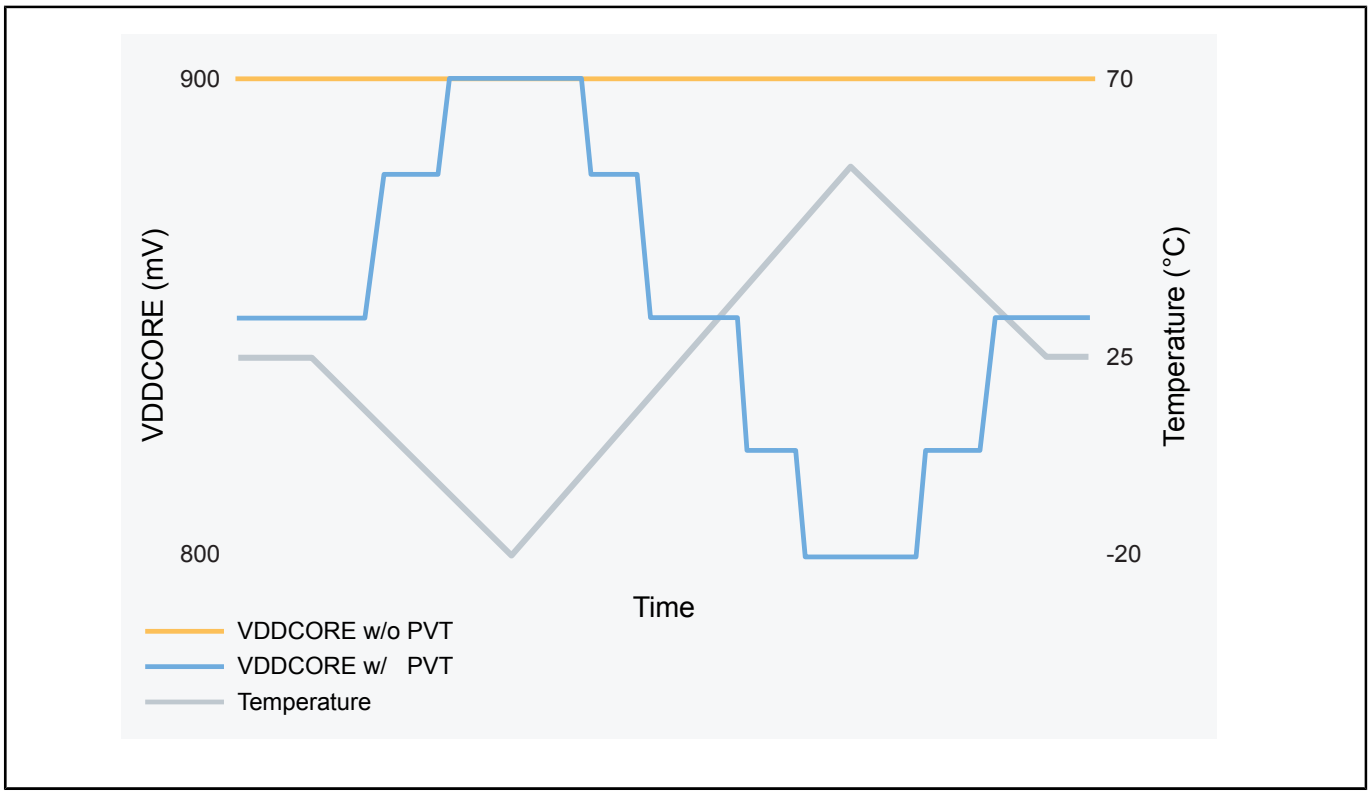
This Power Management application software pack, Dynamic Voltage Scaling (DVS) using Process, Voltage and Temperature (PVT) Sensor, enables embedded developers to optimize the active power for battery-powered applications. This example software package is designed to show how to use the PVT Sensor in the i.MX RT500 family of Crossover MCUs and provides details on how to test and measure the power savings achieved by this method to control DVS.

Download this Application Software Pack and follow the steps found in the DVS using PVT Sensor Lab Guide

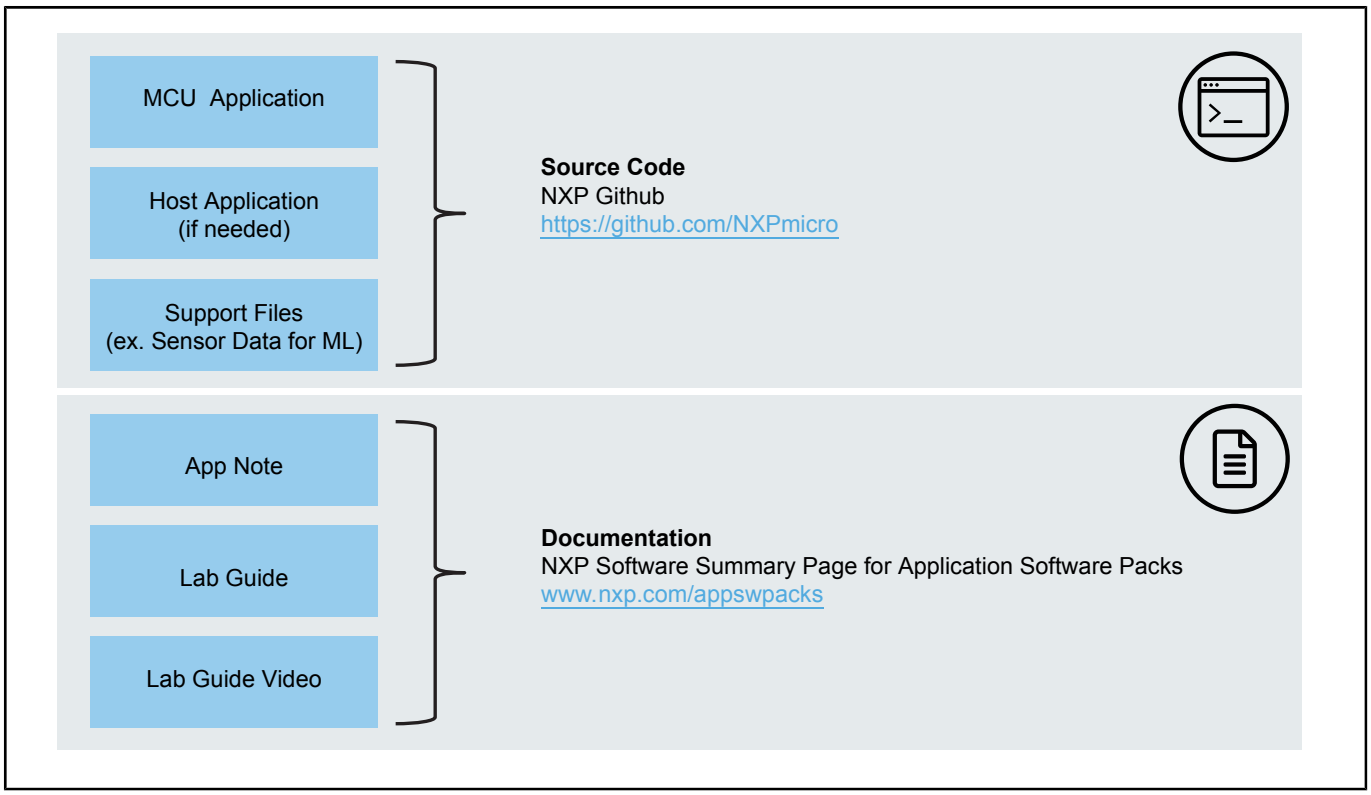
i.MX-RT500 PVT Sensor Block Diagram



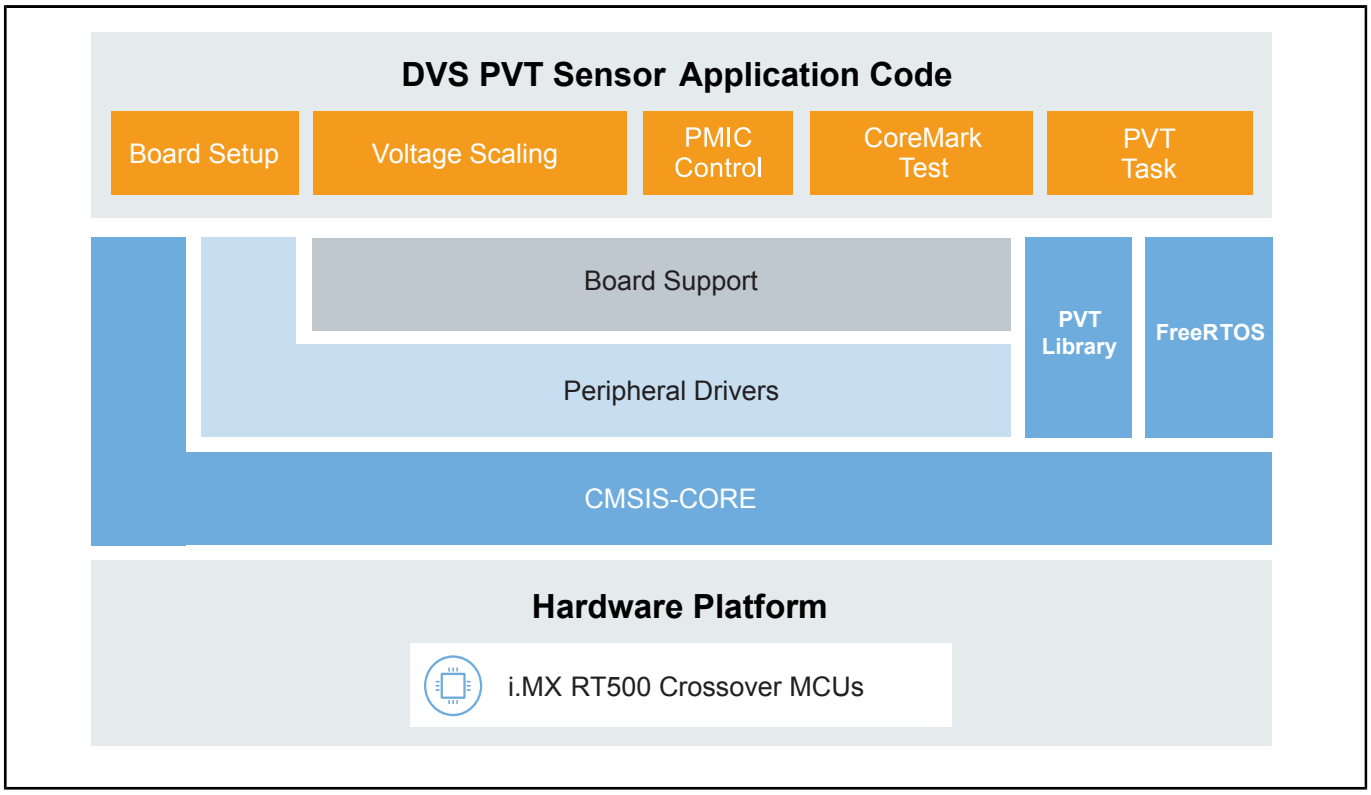
Temperature Graph Block Diagram



Application Software Pack Collateral Block Diagram Block Diagram



DVS PVT Sensor Application Code Block Diagram Block Diagram



View additional information for Application Software Pack: Dynamic Voltage Scaling using PVT Sensor.

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