NXP CoreRide Z248 Zonal Reference System

CORERIDE-Z248

Preproduction

This page contains information on a preproduction product. Specifications and information herein are subject to change without notice. For additional information please contact your sales representative.

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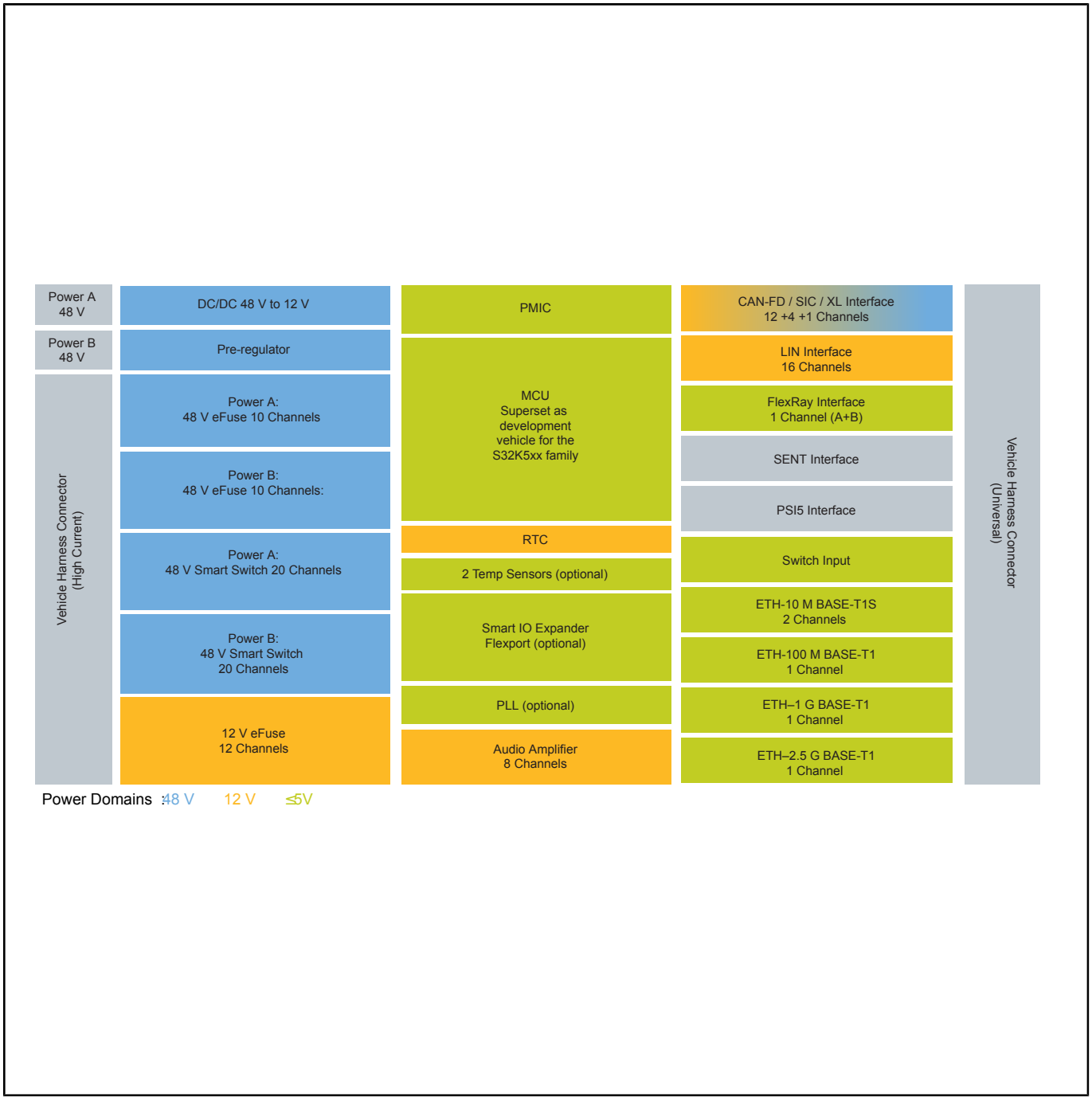
NXP CoreRide Z248 Zonal Reference System is a compact ECU solution that merges 48 V power management, data routing, diagnostics and AI#enabled sensing into one unit. Built on the S32K5 microcontroller, it reduces complexity and speeds development for next#generation software#defined vehicles.

The design helps automakers simplify E/E architectures, supports mixed 48 V/12 V systems and accelerates software deployment across vehicle platforms. Its CI/CT/CD#ready environment and preintegrated software ecosystem enable rapid prototyping and faster transitions from legacy architectures.

Delivered with full validation and a scalable chipset, the Z248 supports consistent performance across ICE, hybrid and BEV platforms and integrates seamlessly with NXP’s broader 48 V and networking technologies.

NXP CoreRide Z248 Features Block Diagram



View additional information for NXP CoreRide Z248 Zonal Reference System.

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