



Bluetooth Ranging Vehicle Access Enablement System (ICCE / ICCOA)

BLUETOOTH-RANGING-VEHICLE-ACCESS-SYSTEM

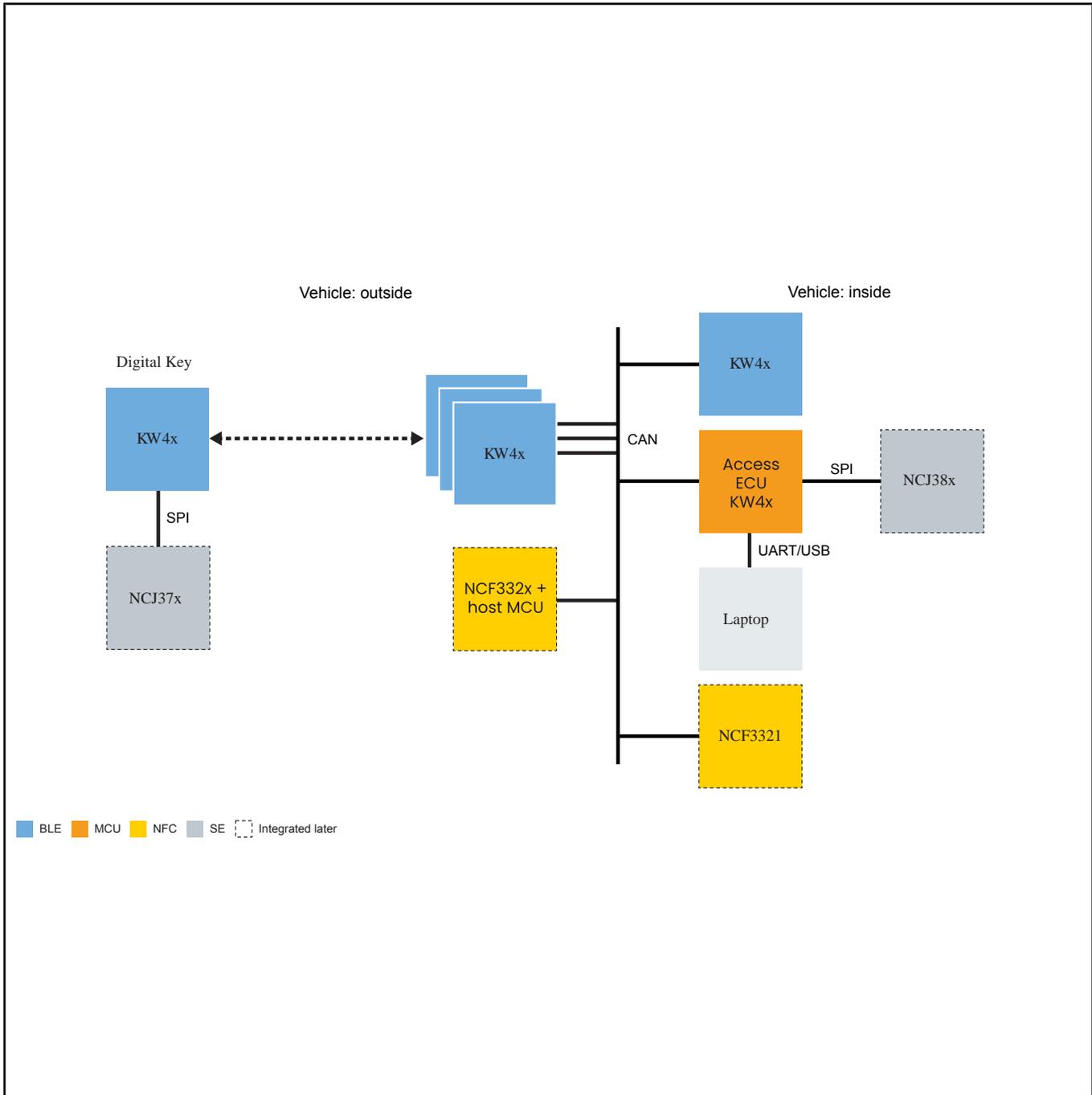
Preproduction

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The Bluetooth Ranging Vehicle Access Enablement System powers automotive access through KW4x Bluetooth® Low Energy (LE) microcontroller unit (MCU) capabilities. Reference designs and application notes provide a flexible and easy method to deploy a low-power architecture. This approach is based on Channel Sounding (CS) and Bluetooth LE Handover (an NXP proprietary feature), leveraging fast localization compute engine (LCE)—the key feature of high accuracy in distance measurement. The system is equipped to measure by distance and securely authenticate a remote device (digital key) and several different fixed devices (car anchors) through ultra-low-power and high accuracy.

Bluetooth Ranging Vehicle Access Enablement System Block Diagram



View additional information for [Bluetooth Ranging Vehicle Access Enablement System \(ICCE / ICCOA\)](#).

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