



# Trimension® NCJ29D6: Secure UWB IC for Automotive Ranging and Radar Applications

## NCJ29D6

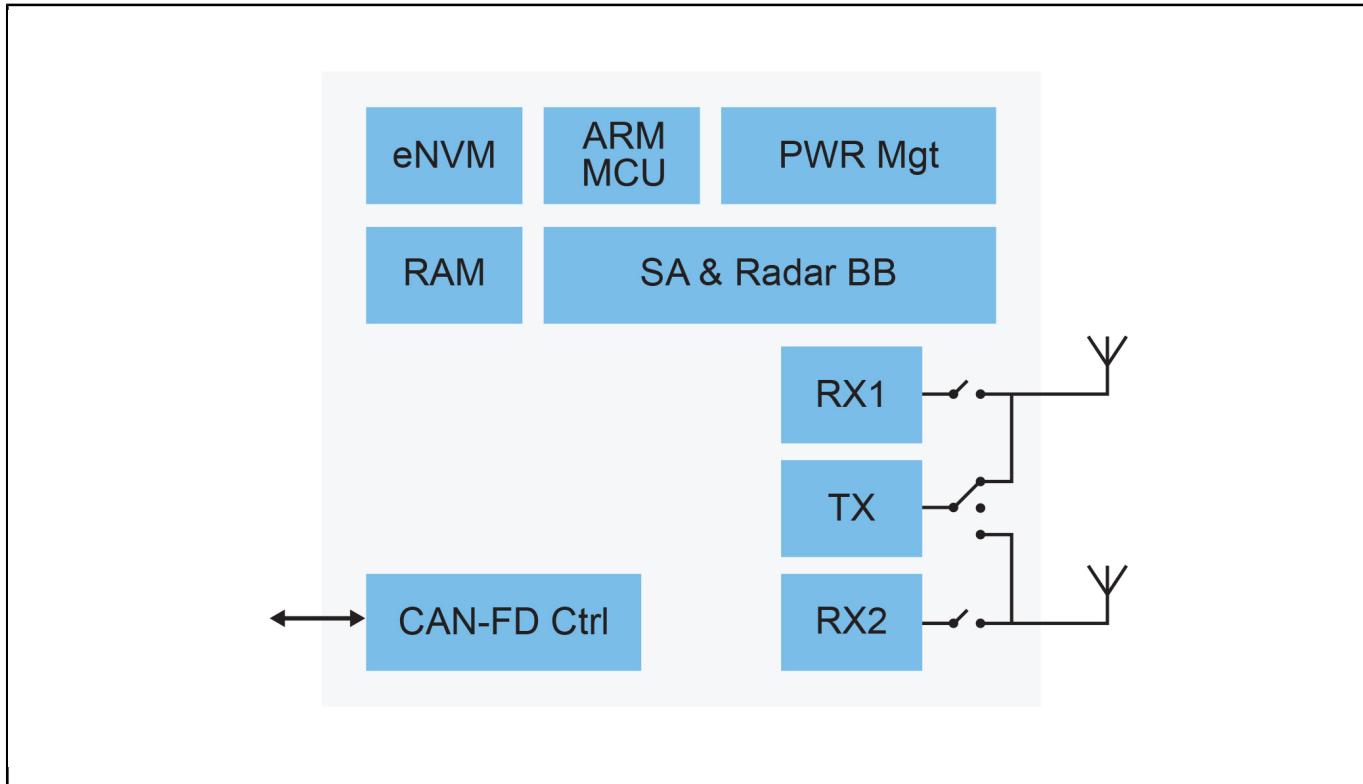
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Trimension NCJ29D6 is a fully integrated single chip impulse radio Ultra-Wideband low-energy transceiver IC compliant to IEEE 802.15.4 HRP UWB PHY and IEEE 802.15.4z BPRF/HPRF UWB PHY. It is designed for secure ranging applications and radar applications in an automotive environment.

Besides supporting Digital Key functionality for secure truly hands-free car access, the NCJ29D6 enhances this feature with radar capabilities. This enables applications such as Child Presence Detection (CPD) and kick-sensing for easy trunk access. With combined ranging and radar support, the NCJ29D6 maximizes system value and reduces system cost.

## NCJ29D6 Block Diagram



[View additional information for Trimension® NCJ29D6: Secure UWB IC for Automotive Ranging and Radar Applications.](#)

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

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