



# TEF82XX Customer Application Board + S32R294 Radar Application Development Board

## TEF82-R294-KIT

Last Updated: Jan 18, 2024

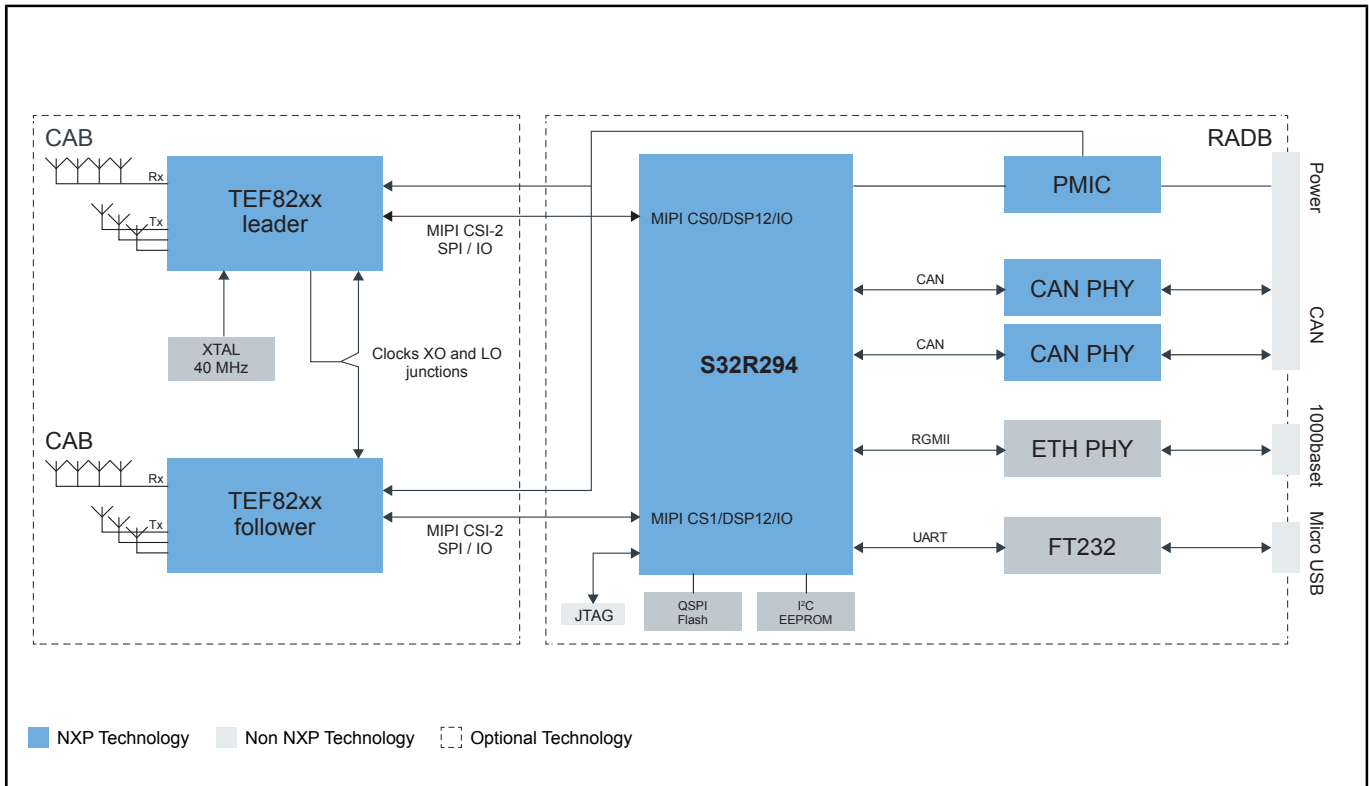
This kit is no longer recommended. Customers are strongly suggested to order our comprehensive high-performance radar SW development platform comprising S32R41 and TEF82xx available [here](#).

The TEF82-R294-KIT consists of the [S32R294 radar application development board \(RADB\)](#) and the [TEF82xx customer application board \(CAB\)](#). The S32R294 RADB is intended to provide a flexible development platform for the automotive radar product based on NXP radar microprocessor S32R294. The RADB supports up to two TEF82XX radar transceivers over CSI-2.

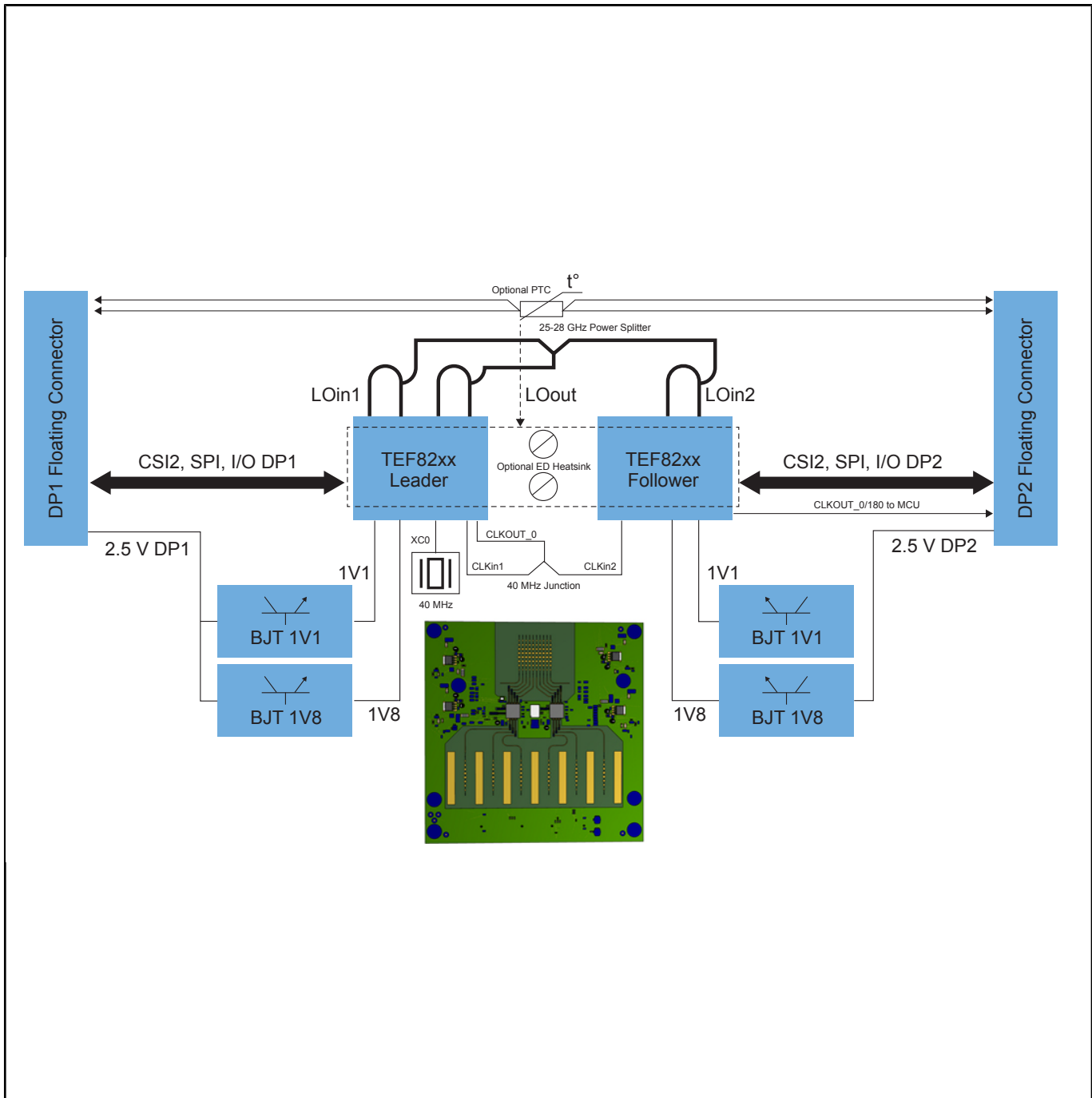
The TEF82-R294-KIT enables quick-start with TEF82xx GUI, TEF82xx control through IDEs: Python, MATLAB examples as well as support of S32R294 RSDK for development start. TEF82xx CAB, optimized for 78 GHz operation, contains dual TEF82xx (CSI-2) in cascaded setup, RF RX/TX channels wired to 6Tx x 8Rx antenna array.

The two boards feature combined power and high speed signal connectors to provide direct connection of the MIPI-CSI2 and SPI interfaces, allowing high speed data transfer to the MCU, along with SPI control signals and power domains to the RF transceiver. The TEF82-R294-KIT can be easily used to evaluate and develop radar application software and processing algorithms.

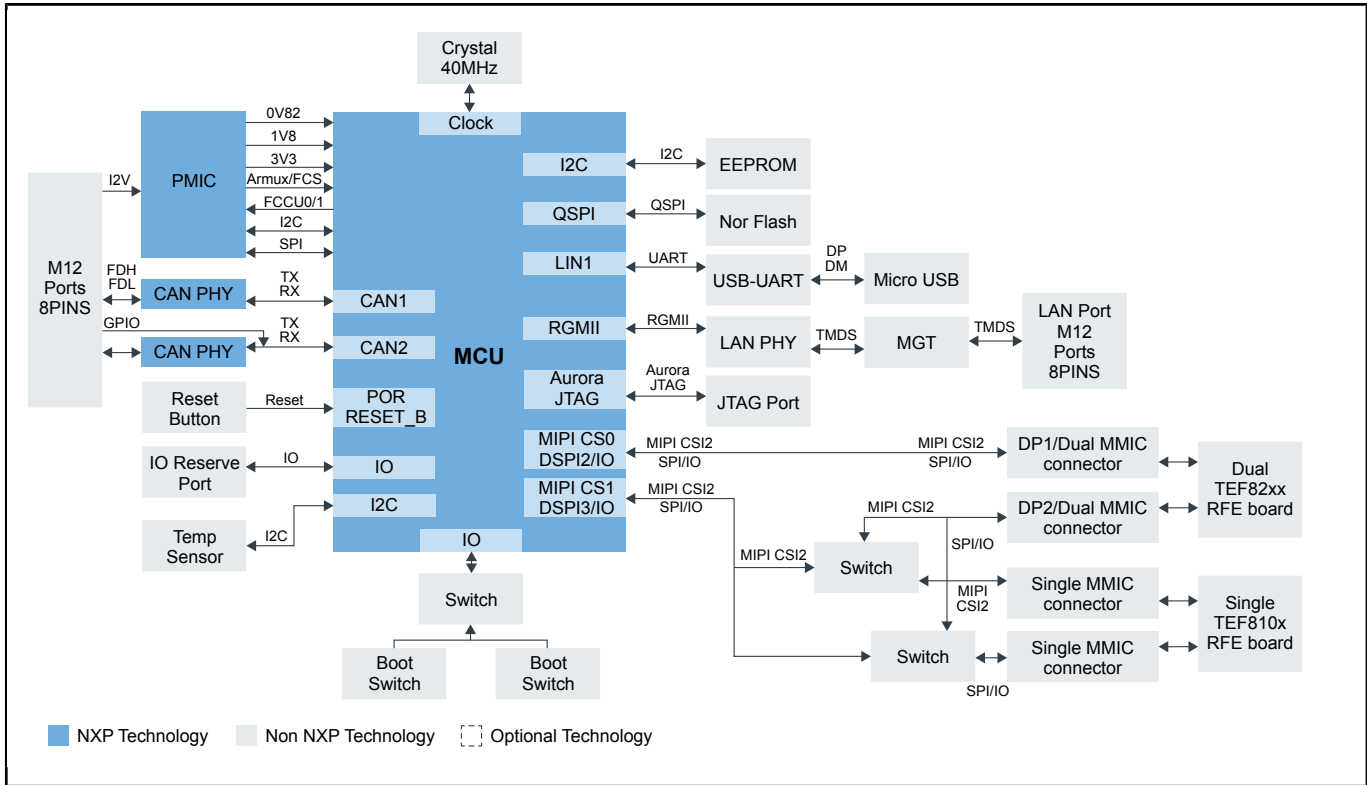
## TEF82-R294-KIT System Block Diagram



## TEF82-R294-KIT Customer Application Board Block Diagram



**S32R294-RADB Radar Application Development Board Block Diagram**



View additional information for [TEF82XX Customer Application Board + S32R294 Radar Application Development Board](#).

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

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