



S32R274 End-to-End Reference Design Kit

RDK-S32R274

Last Updated: Dec 23, 2025

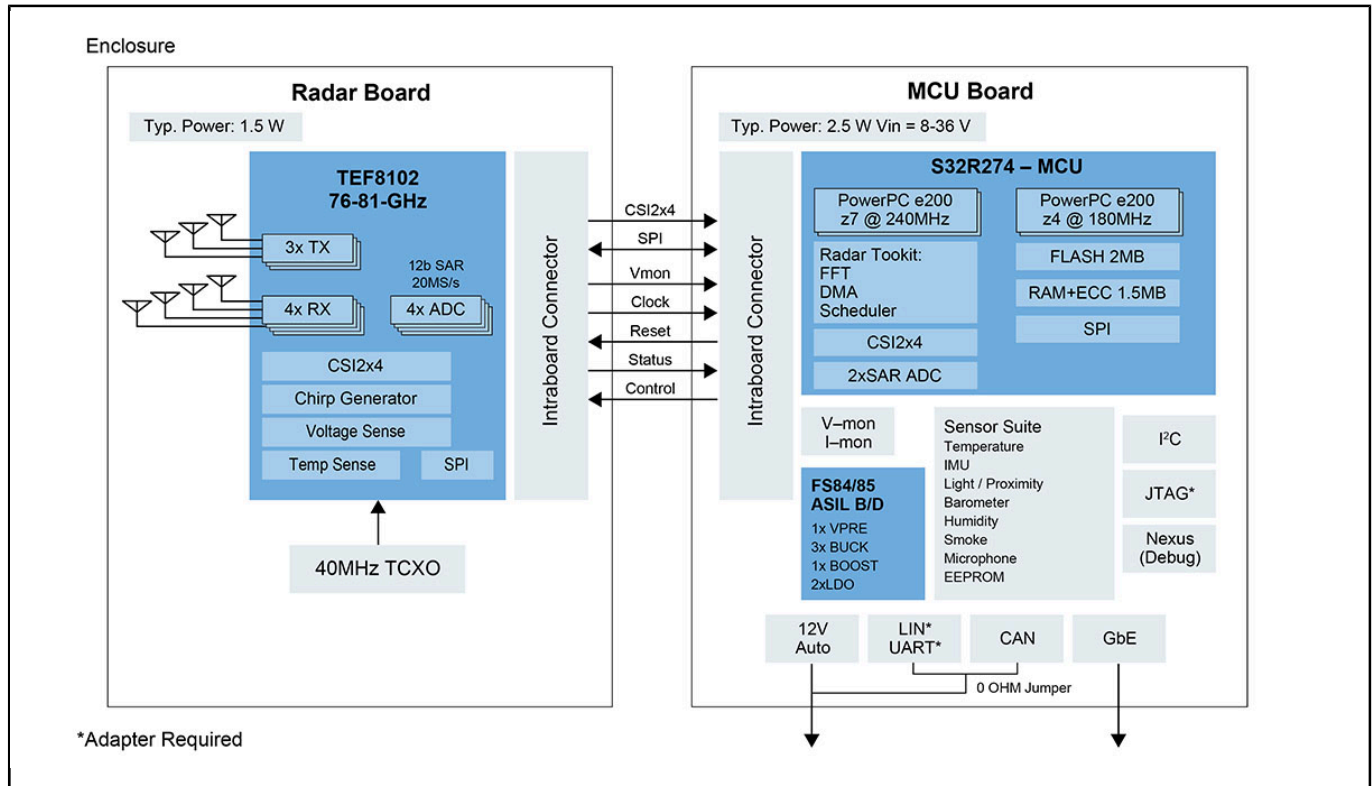
The RDK-S32R274 is an open and flexible reference design engineered for supporting developers to rapidly prototype high-performance automotive-grade radar applications.

Developed in partnership with [Colorado Engineering Inc.](#) and based on the 32-bit Power Architecture® S32R274 radar microcontroller, the fully-integrated TEF8102 RFCMOS transceiver, and the FS8410 Power Management IC, the RDK-S32R274 helps to enable both adaptive cruise control (ACC) and automatic emergency braking (AEB) new car assessment program (NCAP) up to ISO 26262 ASIL B applications.

The RDK-S32R274 works with the end-to-end automotive-qualified radar software development kit (rSDK). Also, its expansion and antenna modules can be optimized to create a customized development platform suited to specific customer radar application requirements.

[RDK-S32R274 Automotive Radar Reference Platform - Fact Sheet](#)

S32R274 end-to-end Reference Design Kit - Block Diagram Block Diagram



View additional information for [S32R274 End-to-End Reference Design Kit](#).

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

www.nxp.com

NXP and the NXP logo are trademarks of NXP B.V. All other product or service names are the property of their respective owners. The related technology may be protected by any or all of patents, copyrights, designs and trade secrets. All rights reserved. © 2026 NXP B.V.