



KW38 +20dBm Extended Range Reference Design Board

KW38-ER-RD

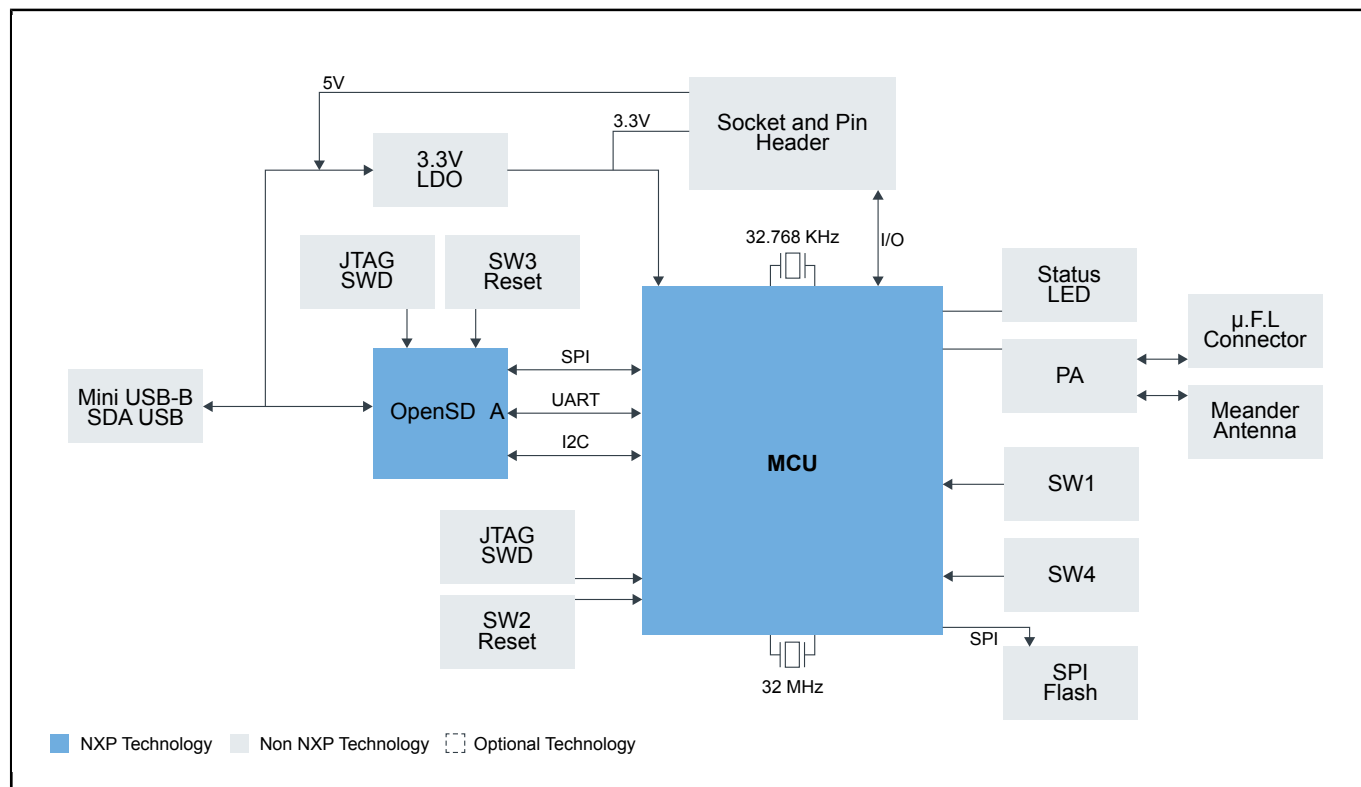
Active

This board is not for sale. Design files provided below.

Last Updated: Sep 11, 2025

The KW38-ER-RD extended range module reference design uses an external power amplifier to boost the transmitter output power to +20 dBm. This enables a wider range for applications that require communications over long distances or in harsh RF environments. The module uses the KW38 wireless MCU, which is pin-to-pin compatible with KW37 and KW39. The KW38-ER-RD extended range module is a small form-factor reference design compatible with the mikroBUS click board standard.

KW38-ER-RD Overview Block Diagram



View additional information for [KW38 +20dBm Extended Range Reference Design Board](#).

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. © 2025 NXP B.V.