



# KL46Z Magnetic Rotary Encoder Reference Design

## RD-KL46Z-MRE

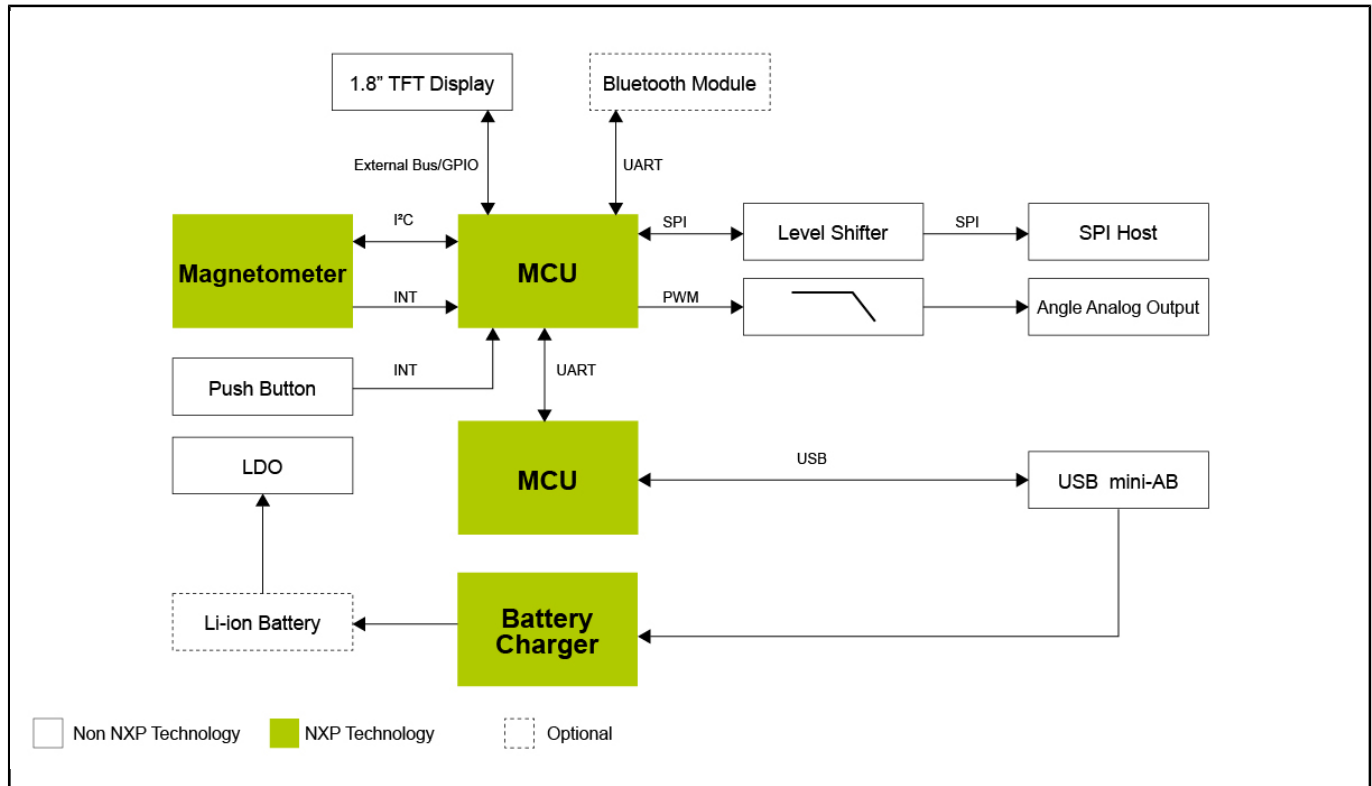
Last Updated: Feb 3, 2026

As of February 2, 2026, NXP MEMS sensor products have been transitioned to STMicroelectronics. For more information, contact STMicroelectronics.

The Magnetic Rotary Encoder Reference Design is a smart integrated system for angle measurement. It has an embedded algorithm for correction of magnetic data and a placement enabled. It also has a contactless knob to allow control of magnetic placement. The design has an LCD screen and GUI for a complete user experience.

[Magnetic Rotary Encoder Reference Design: RD-KL46Z-MRE - Fact Sheet](#)

## Magnetic Rotary Encoder Block Diagram



View additional information for [KL46Z Magnetic Rotary Encoder Reference Design](#).

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

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