KEA128 and MC10XS3425 Light Control and E-Switch Reference Design
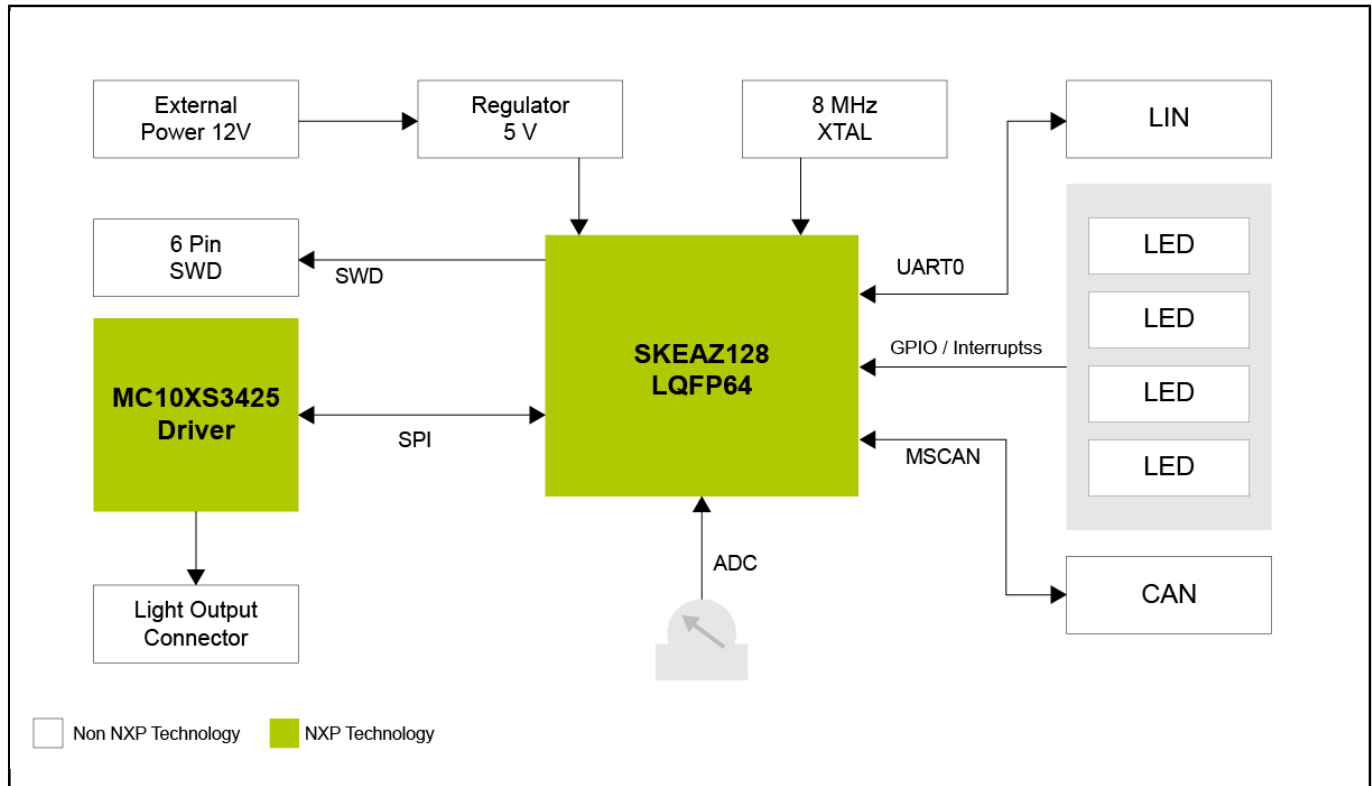
KEA128LEDLIGHTRD

Last Updated: Dec 13, 2023

The KEA128LEDLIGHTRD is a reference design for controlling automotive lighting (high/low beam, turning and braking) and for diagnosing the status of the front headlamp using with eXtreme switch.

Based on the 32-bit Arm® Cortex®-M0+ Kinetis® KEA128 automotive-grade MCU and the MC10XS3425 eXtreme switch, the KEA128LEDLIGHTRD offers a LIN and CAN communication-based complete headlight environment control solution, including LEDs, tail lights, turn signals, lamp current control and diagnostics.

Light Control and E-switch Block Diagram

View additional information for KEA128 and MC10XS3425 Light Control and E-Switch Reference Design.

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