8-bit LCD for Battery-Powered and Handheld LC MCUs

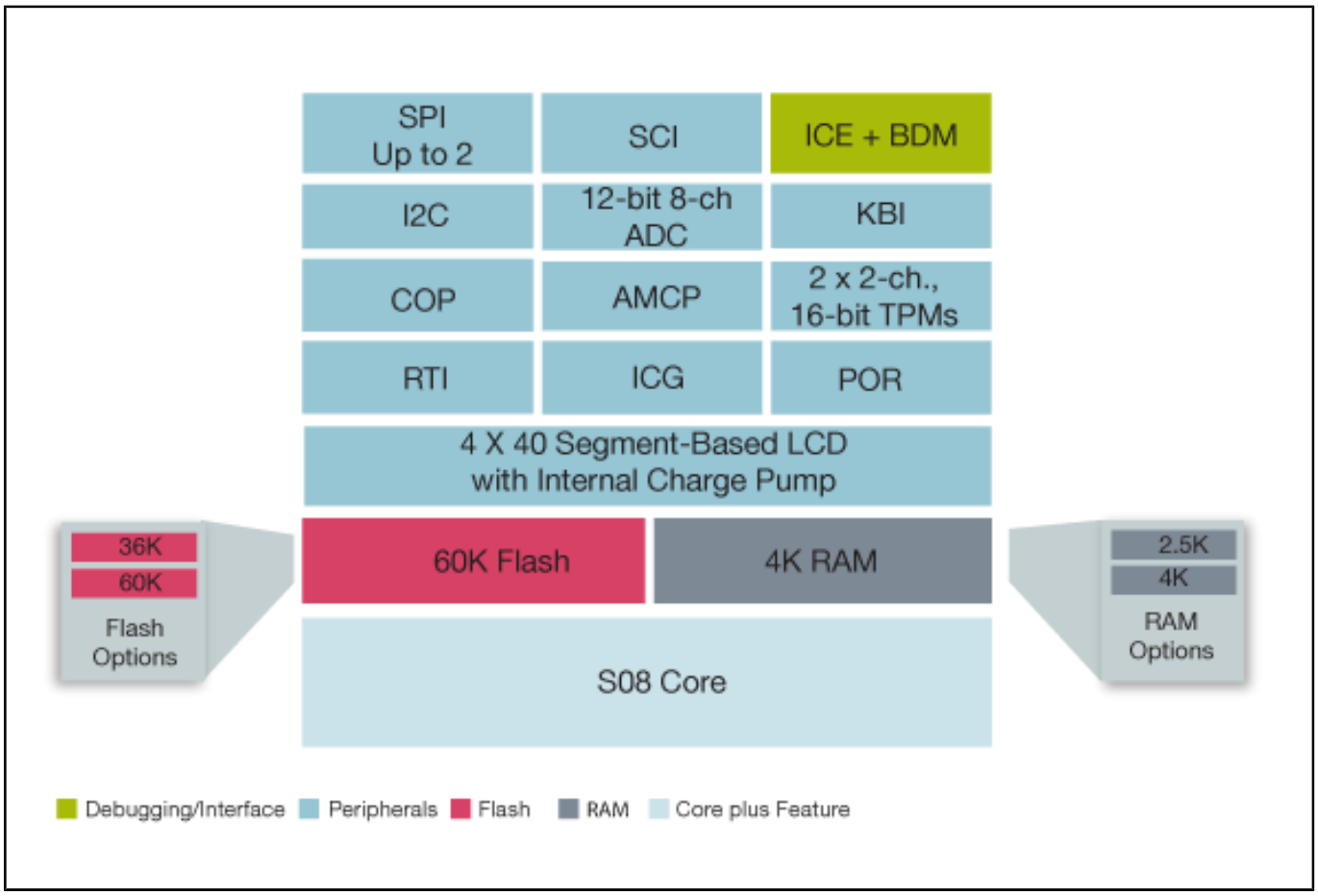
S08LC

Last Updated: Jun 1, 2026

The S08LC microcontroller expands Our 8-bit portfolio by offering an integrated LCD controller with the low-power and feature-rich capabilities of the S08 family. It is the first LCD S08 8-bit microcontroller for battery-powered and handheld applications. The S08LC is a flash-based device with enhanced EEPROM emulation, eliminating the need for off-chip EEPROM, saving both board space and cost.

The S08LC is specifically crafted to provide high segment count that is easy on the batteries. A larger segment display of up to 160 segments offers total flexibility with a graphical display and sufficient memory to act as application and LCD controller without the added cost of a dot matrix or chip-on-glass,? fulfilling the need for a broad spectrum of applications with displays.

S08LC Microcontroller Block Diagram Block Diagram



View additional information for 8-bit LCD for Battery-Powered and Handheld LC MCUs.

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.