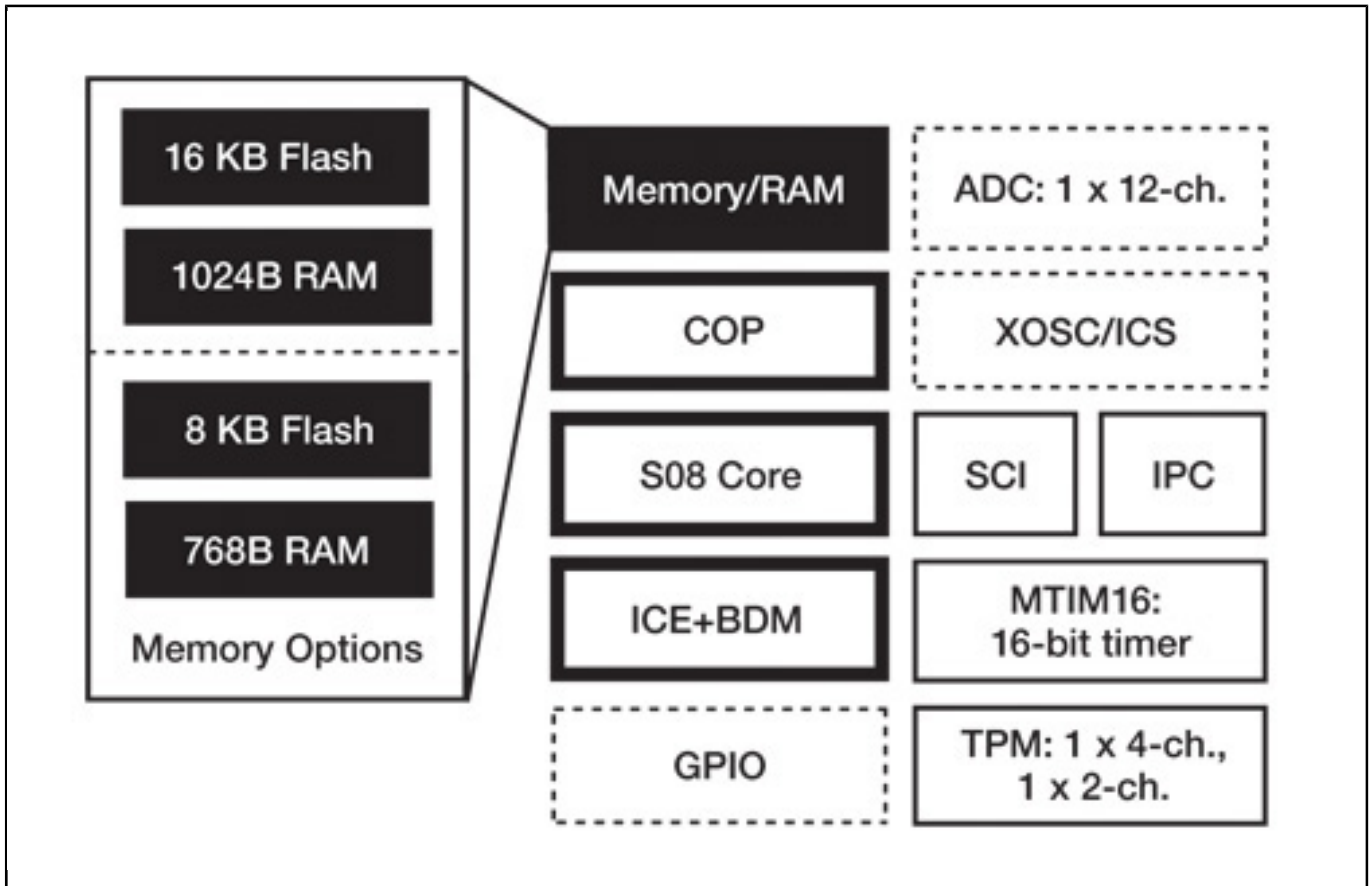# 8-bit Cost-Effective FL16/8 MCUs

## S08FL

Last Updated: Aug 1, 2023

The 8-bit MC9S08FL16/8 (FL16/8) MCU family is a cost-effective solution ideal for cost-sensitive home appliance applications that require input/output (I/O) flexibility. It features up to 16 KB flash read/program/erase over full operating voltage and temperature, two low-power stop modes and reduced power wait mode and security circuitry to prevent unauthorized access to RAM and flash contents.

# Freescale S08FL Microcontroller Block Diagram Block Diagram

| Memory Options | | |
|---|---|---|
| **16 KB Flash** | | |
| **1024B RAM** | | |
| **8 KB Flash** | | |
| **768B RAM** | | |

| Memory/RAM | ADC: 1 x 12-ch. |
|---|---|
| COP | XOSC/ICS |
| S08 Core | SCI / IPC |
| ICE+BDM | MTIM16: 16-bit timer |
| GPIO | TPM: 1 x 4-ch., 1 x 2-ch. |

View additional information for 8-bit Cost-Effective FL16/8 MCUs.

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