



# 8-bit 5V Full-featured MCU with Rich Analog

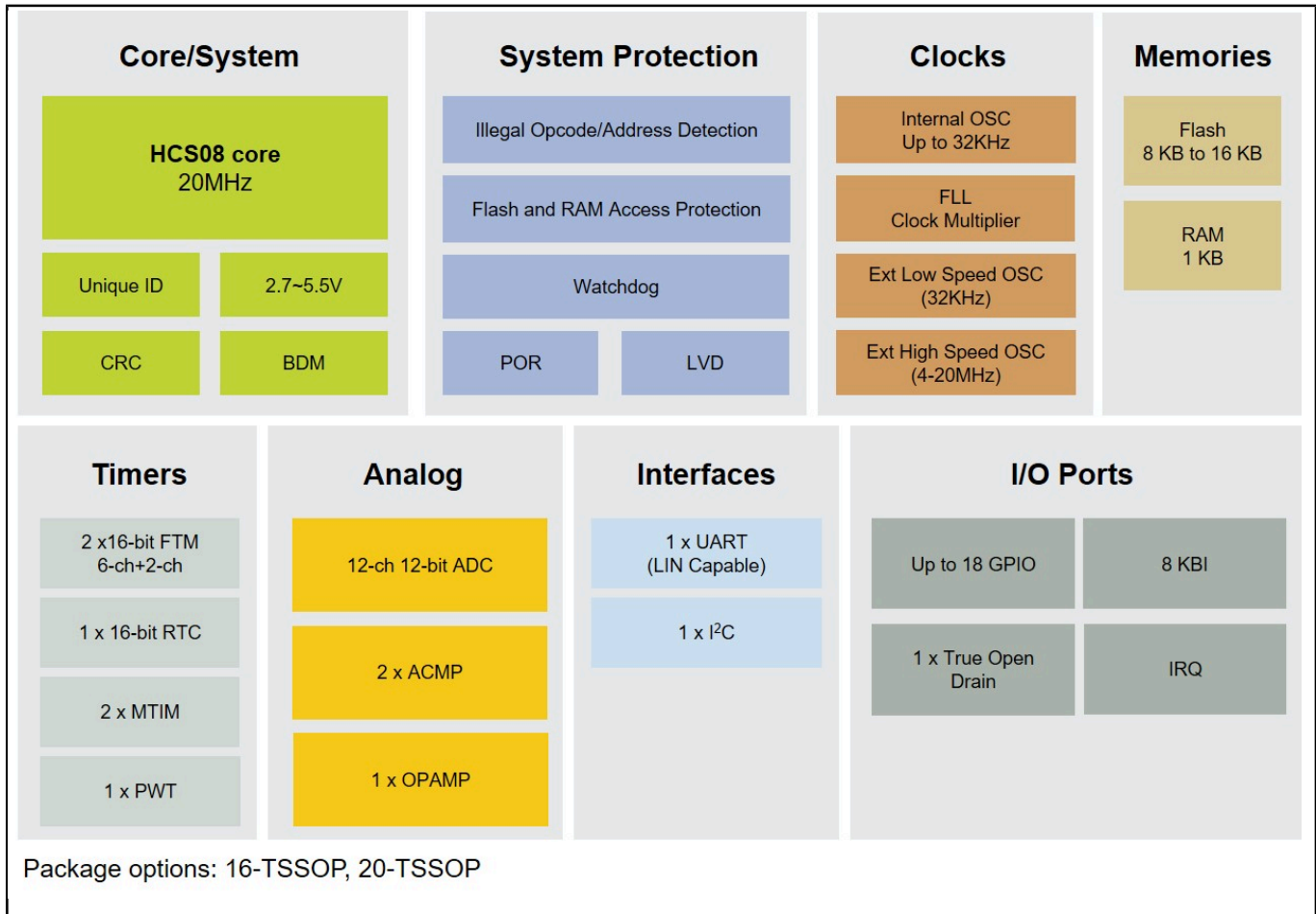
## S08PB

Last Updated: May 13, 2024

The S08PB MCUs integrate key features like 12-bit ADC, analog comparator, amplifier, I2C, and flexible timers to simplify design and to help reduce system cost.

The S08P family is simple, yet powerful, and offers EFT/ESD performance. This scalable and pin-compatible MCU family reuses existing S08 core, IP and tools for easy migration from existing 8-bit S08 products. Our 5V 8-bit S08P MCU family gives your designs more durability and reliability in harsh industrial and user interface environments, meeting appliance safety standard IEC60730.

## MC9S08PB-BD Block Diagram



View additional information for [8-bit 5V Full-featured MCU with Rich Analog](#).

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

[www.nxp.com](http://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. © 2024 NXP B.V.