



3.0 A, 1.0 MHz Integrated DDR Switch-Mode Power Supply

MC34712

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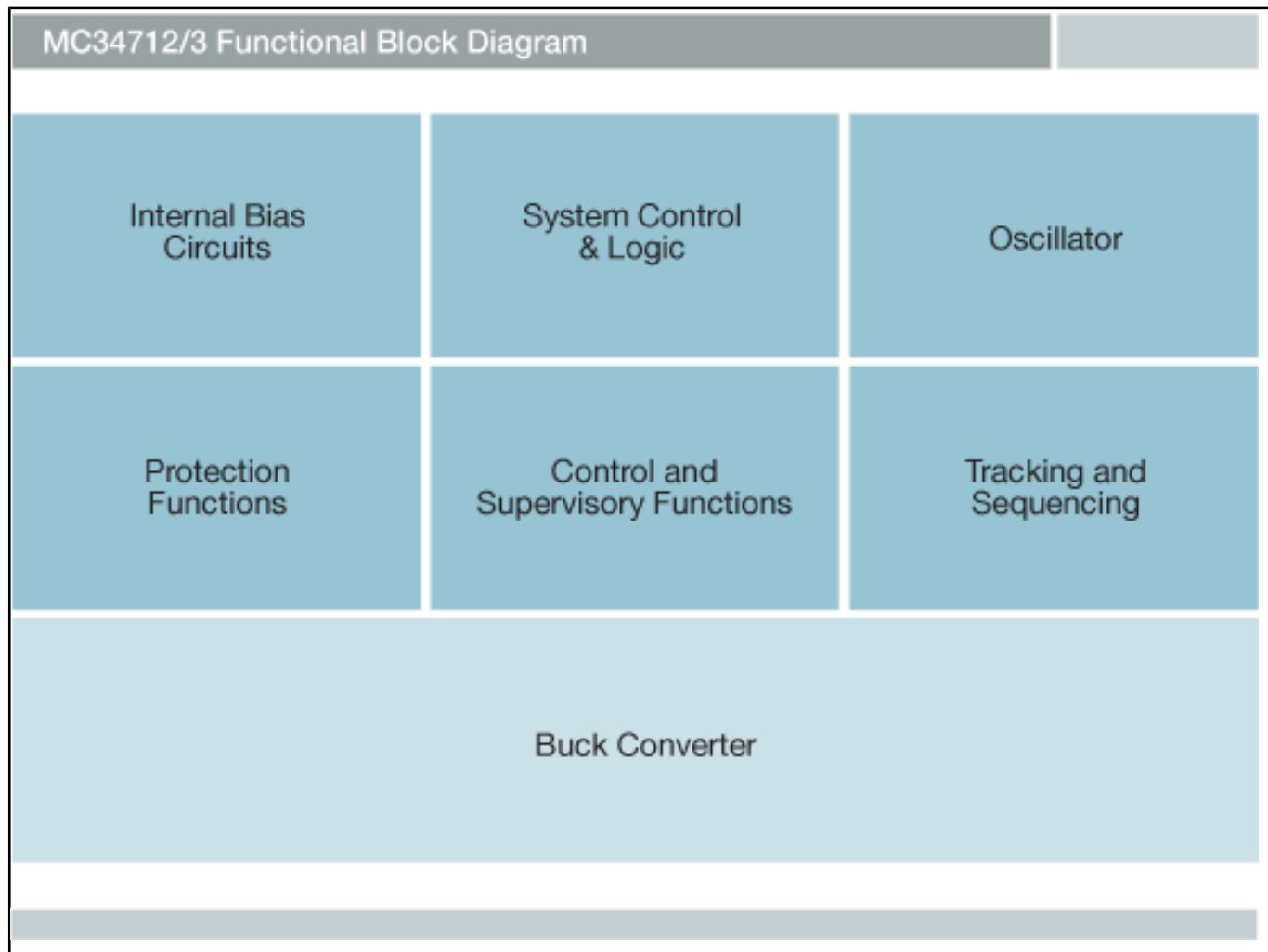
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Last Updated: Jun 30, 2025

The NXP® MC34712 is a highly-integrated, space-efficient, low-cost, single-synchronous buck switching regulator with integrated N-channel power MOSFETs.

- High performance point-of-load (PoL) power supply with the ability to track an external reference voltage
- Its high efficient 3 A sink and source capability combined with its voltage tracking/sequencing ability and tight output regulation makes it ideal to provide the termination voltage for modern data buses such as DDR memory buse
- Provides a buffered output VREF to the memory chipset
- Offers flexibility of many control, supervisory, and protection functions to allow for easy implementation of complex designs

Freescale MC34712 Switch Regulator Block Diagram



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