



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

## MC34712

### Archived

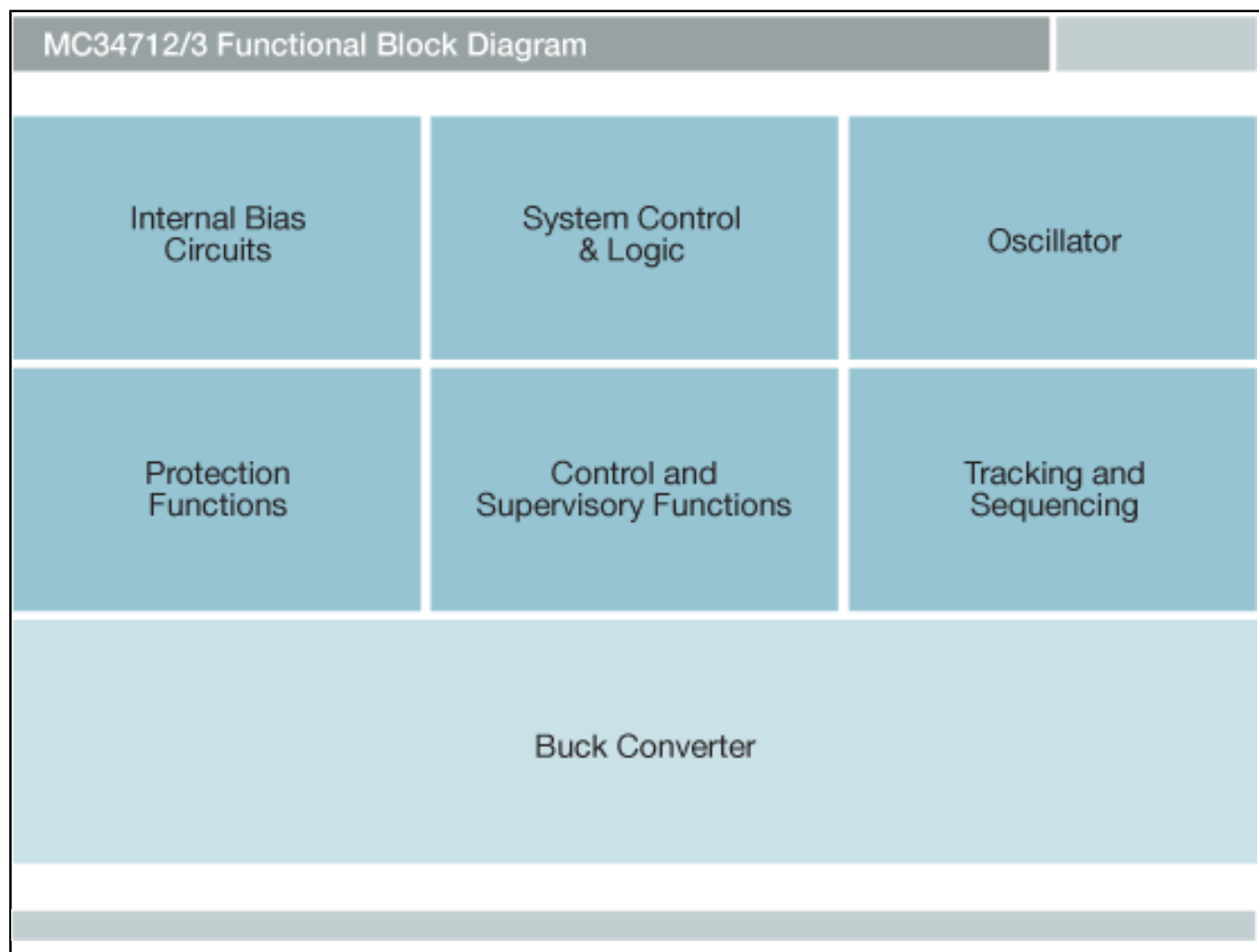
このページには、製造中止（生産終了）となった製品の情報が記載されています。本ページに記載されている仕様および情報は、過去の参考情報です。

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 Block Diagram



View additional information for [3.0 A, 1.0 MHz Integrated DDR Switch-Mode Power Supply](#).

**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. © 2025 NXP B.V.