



Multi-Channel (9) PMIC for S32G Processor – 8 High Power, 1 Low Power, Fit for ASIL D Safety Level

VR5510

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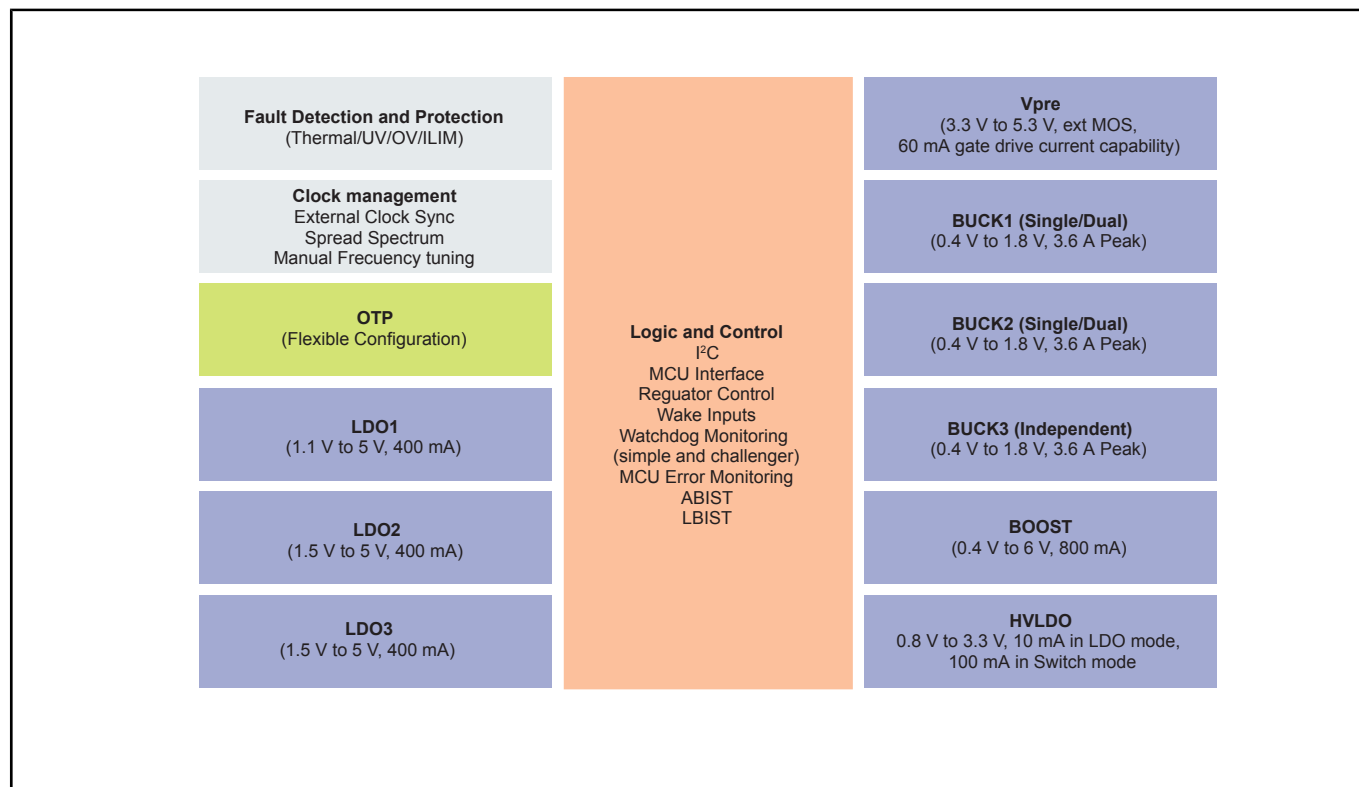
The part numbers with the TS suffix (MVR5510AxxxTS) are recommended for new designs.

The VR5510 is NXP's multi-channel high-voltage PMIC device designed to be used for high performance automotive and industrial applications. The VR5510 is designed specifically for the [S32G vehicle network processor](#) family targeting service-oriented gateways, domain controllers, and safety controller applications.

Integrated and independent voltage monitoring circuits ensure compliance with ISO 26262 standard and functional safety up to ASIL D level. The VR5510 is also available as a standard ASIL B device or a non-safety device for applications that have different ISO compliance requirements.

The VR5510 is also suitable for a variety of applications including infotainment, ADAS, vision, and radar either as a standalone power solution or in combination with other NXP PMICs like PF502x family or PF8x family.

VR5510 Block Diagram



View additional information for [Multi-Channel \(9\) PMIC for S32G Processor – 8 High Power, 1 Low Power, Fit for ASIL D Safety Level](#).

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

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