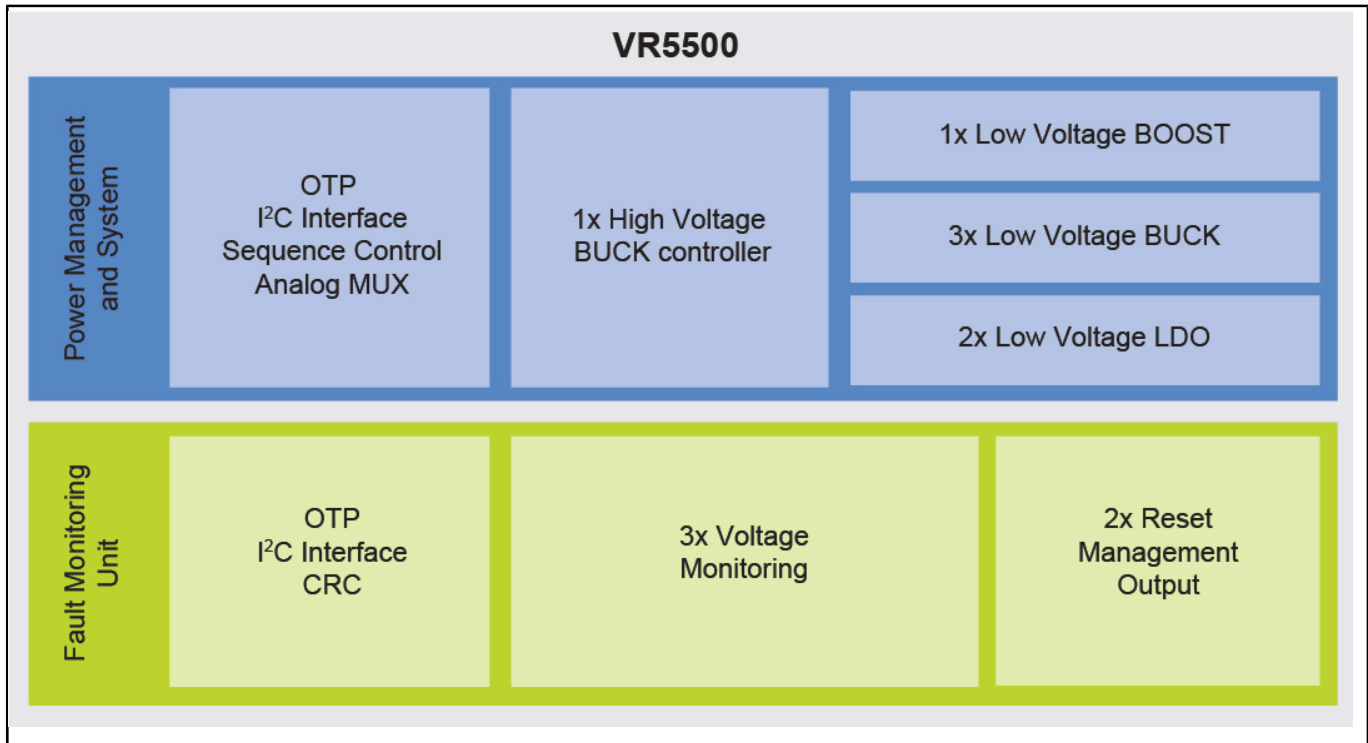# VR5500 Safety SBC Programming Board

KITVR55-FSSKTEVM

Last Updated: Nov 29, 2022

KITVR55-FSSKTEVM provides easy customer configuration of the devices thanks to a QFN56 socket. Devices can be easily placed on socket, fused and then soldered on customer prototype board. It's getting 12 V Automotive and 24 V truck application.

This KIT can be connected to the FlexGUI software, which allows the customer to play with registers, develop an OTP (one Time Programming) configuration and burn it when ready. In addition to OTP programming, the customer can test all features (with some limitation due to the socket). The OTP can burn 3 times.

VR5500, High Voltage PMIC Block Diagram Block Diagram

VR5500

Power Management and System

- OTP
  I²C Interface
  Sequence Control
  Analog MUX

- 1x High Voltage BUCK controller

- 1x Low Voltage BOOST
- 3x Low Voltage BUCK
- 2x Low Voltage LDO

Fault Monitoring Unit

- OTP
  I²C Interface
  CRC

- 3x Voltage Monitoring

- 2x Reset Management Output

View additional information for VR5500 Safety SBC Programming Board.

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