

Automotive Voltage Regulators & System Basis Chip

Data brief



Description

The Sample kit provides a selection of Automotive qualified Power Management devices representative of ST offer, useful for evaluation and promotion.

Table 1. Device summary

Order code	Reference
SAMPLES-AUTOPMIC	Automotive Voltage Regulators & System Basis Chip

Features

- Immediate evaluation of Voltage Regulators, Power Management and Multichannel Power Management with a selection of samples.
- The kit includes
 - 10 samples
 - Printed card providing overview of product portfolio, key features, package description.

1 Overview

The Sample kit contains a selection of devices ranging from Linear LDO Voltage Regulators to highly integrated Power Management solutions.

ST offers a wide range of:

- Linear voltage regulators with features such as Enable, Watchdog, Reset and Early Warning functions as well as low quiescent current. Internal protection against short circuit and over temperature switches off the device in the case of extremely high power dissipation.
- Power management system ICs providing enhanced system power supply functionality, including various standby modes with programmable wake-up capability, as well as HS CAN and/or LIN transceiver and SPI interface. High- and low-side drivers and an embedded system protection increase the integration level.
- Multi-channel voltage regulators integrating dc-dc converters with a switching frequency up to 2.4 MHz and linear LDO regulators. Other available features include battery compatibility, high side drivers, voltage supervisors, independent enables and supplies, synchronization capability, watchdog and reset.

Table 2. Main characteristics

Device	Product Family	Main characteristics	Package	No. of samples
L4995K	Voltage Regulator	$V_{OUT} : 5\text{ V}$, $I_{OUT} : 500\text{ mA}$	PowerSSO-24	1
L5150BN	Voltage Regulator	$V_{OUT} : 5\text{ V}$, $I_{OUT} : 150\text{ mA}$	SOT-223	2
L5300GJ	Voltage Regulator	$V_{OUT} : 5\text{ V}$, $I_{OUT} : 300\text{ mA}$	PowerSSO-12	2
L99PM60J	Power Management	LIN $V_{OUT} : 5\text{ V}$ LDO $I_{OUT} : 100\text{ mA}$ High and Low-side drivers	PowerSSO-16	2
L99PM62GXP	Power Management	LIN and HS-CAN $V_{OUT} : 5\text{ V}$ LDO 1 $I_{OUT} : 250\text{ mA}$ LDO 2 $I_{OUT} : 100\text{ mA}$ High and Low-side drivers	PowerSSO-36	1
L5963	Multichannel Power Management	Buck 1 $I_{OUT} : 2.5\text{ A}$ Buck 2 $I_{OUT} : 3\text{ A}$ LDO $I_{OUT} : 250\text{ mA}$ High-side driver	PowerSSO-36	1
			VQFPN-48	1

2 Revision history

Table 3. Document revision history

Date	Revision	Changes
21-Jul-2017	1	Initial release.

IMPORTANT NOTICE – PLEASE READ CAREFULLY

STMicroelectronics NV and its subsidiaries ("ST") reserve the right to make changes, corrections, enhancements, modifications, and improvements to ST products and/or to this document at any time without notice. Purchasers should obtain the latest relevant information on ST products before placing orders. ST products are sold pursuant to ST's terms and conditions of sale in place at the time of order acknowledgement.

Purchasers are solely responsible for the choice, selection, and use of ST products and ST assumes no liability for application assistance or the design of Purchasers' products.

No license, express or implied, to any intellectual property right is granted by ST herein.

Resale of ST products with provisions different from the information set forth herein shall void any warranty granted by ST for such product.

ST and the ST logo are trademarks of ST. All other product or service names are the property of their respective owners.

Information in this document supersedes and replaces information previously supplied in any prior versions of this document.

© 2017 STMicroelectronics – All rights reserved

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Power Management IC Development Tools](#) category:

Click to view products by [STMicroelectronics](#) manufacturer:

Other Similar products are found below :

[EVAL-ADM1168LQEBZ](#) [EVB-EP5348UI](#) [MIC23451-AAAYFL EV](#) [MIC5281YMME EV](#) [DA9063-EVAL](#) [ADP122-3.3-EVALZ](#) [ADP130-0.8-EVALZ](#) [ADP130-1.2-EVALZ](#) [ADP130-1.5-EVALZ](#) [ADP130-1.8-EVALZ](#) [ADP1714-3.3-EVALZ](#) [ADP1715-3.3-EVALZ](#) [ADP1716-2.5-EVALZ](#) [ADP1740-1.5-EVALZ](#) [ADP1752-1.5-EVALZ](#) [ADP1828LC-EVALZ](#) [ADP1870-0.3-EVALZ](#) [ADP1871-0.6-EVALZ](#) [ADP1873-0.6-EVALZ](#) [ADP1874-0.3-EVALZ](#) [ADP1882-1.0-EVALZ](#) [ADP199CB-EVALZ](#) [ADP2102-1.25-EVALZ](#) [ADP2102-1.875EVALZ](#) [ADP2102-1.8-EVALZ](#) [ADP2102-2-EVALZ](#) [ADP2102-3-EVALZ](#) [ADP2102-4-EVALZ](#) [ADP2106-1.8-EVALZ](#) [ADP2147CB-110EVALZ](#) [AS3606-DB](#) [BQ24010EVM](#) [BQ24075TEVM](#) [BQ24155EVM](#) [BQ24157EVM-697](#) [BQ24160EVM-742](#) [BQ24296MEVM-655](#) [BQ25010EVM](#) [BQ3055EVM](#) [NCV891330PD50GEVB](#) [ISLUSBI2CKIT1Z](#) [LM2744EVAL](#) [LM2854EVAL](#) [LM3658SD-AEV/NOPB](#) [LM3658SDEV/NOPB](#) [LM3691TL-1.8EV/NOPB](#) [LM4510SDEV/NOPB](#) [LM5033SD-EVAL](#) [LP38512TS-1.8EV](#) [EVAL-ADM1186-1MBZ](#)