

# **AEK-POW-LDOV01S**

#### Data brief

# Automotive-grade LDO with configurable output voltage based on the L99VR01STR



### **Features**

- Eight selectable fixed output voltages: (0.8, 1.2, 1.5, 1.8, 2.5, 2.8, 3.3, and 5 V) with up to 200 mA load current capability
- Enable pin
- Reset
- Fast output discharge

### **Description**

The AEK-POW-LDOV01S is an evaluation board based on the L99VR01STR. It can be used in several electronic applications such as microcontroller supplies, automotive display drivers, sensors, and infotainment processors.

Thanks to its thermal performance up to 150°C, the device is suitable for electronic applications with high temperature environments and for applications requiring stable power supplies.

Product summary		
Automotive-grade LDO with configurable output voltage and diagnostic features based on the L99VR01STR	AEK-POW- LDOV01S	
Automotive linear voltage regulator with configurable output voltage and 200 mA current capability	L99VR01STR	
AutoDevKit library plugin for SPC5- STUDIO	STSW- AUTODEVKIT	
Code generator, quick resource configurator and Eclipse development environment for SPC5 MCUs	SPC5-Studio	
Application	Power Distribution/ Digital Power	



# 1 Block diagram

### Figure 1. AEK-POW-LDOV01S block diagram





# Schematic diagrams



#### Figure 2. AEK-POW-LDOV01S circuit schematic



2



# 3 Board versions

#### Table 1. AEK-POW-LDOV01S versions

PCB version	Schematic diagrams	Bill of materials
AEK\$POW-LDOV01SA (1)	AEK\$POW-LDOV01SA schematic diagrams	AEK\$POW-LDOV01SA bill of materials

1. This code identifies the AEK-POW-LDOV01S evaluation board first version. It is printed on the board PCB.

## **Revision history**

#### Table 2. Document revision history

Date	Revision	Changes
26-Jul-2022	1	Initial release.

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