

L99VR02J Automotive Voltage Regulator

SPS Macro Division

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Would you like to have a standardized and simplified design for your voltage regulators needs?



L99VR0xx automotive voltage regulators

"We are pleased to introduce:

L99VR0xx A Voltage Regulators family covering multiple customer needs

L99VR01S/J

- Single configurable output
- 200mA current capability
- Plastic and exposed pads package option

L99VR02J

- Single configurable output
- 500mA current capability
- Exposed pads package

L99VR02XP

Double configurable output 250mA current capability for each output Exposed pads package

"What makes us different?







Design standardization

One configurable device from 0.8V to 5V serving multiple application needs with single part number

Family approach

Simplifying supply chain and taking benefit of cumulated higher volume on single part number

Safety requirement

ISO 26262 available upon customer request

0.8 V

1.2 \

.5 V

1.8 V

2.2 V

2.5 V

3.3 V

5.0 V



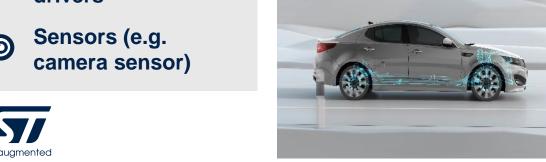
L99VR02J applications & key benefits

Value proposition

"Thanks to the selectable fixed output voltage from 0.8 V to 5.0 V, the same device fully compliant with automotive requirements, can be used for several electronic applications, simplifying the design"

Automotive

- **Navigation systems**
- **MCU** supplies
- **Audio systems**
- **Powertrain systems**
- **Automotive display** drivers
- Sensors (e.g.







Industrial







Industrial automation



Industrial instrumentation



Building automation



Portable electronic applications



Battery-powered instruments



Medical & healthcare



L99VR02J automotive voltage regulators

L99VR01S		
configurable or 8 fixed Vo	lo = 200 mA	
Enable	Reset	

L99VR01J		
Configurable for 8 fixed Vo	lo = 200 mA	
Enable	Reset	
Adv. thermal warning	Ishort control	
Watchdog		

L99VR02XP		
Configurable for 8 fixed Vo	LDO1 lo = 250 mA	
Configurable for 8 fixed Vo	LDO2 lo = 250 mA	
Enable	Reset	
Adv. thermal warning	Ishort control	
Watchdog	Thermal clusters	

L99VR02J		
Configurable for 8 fixed Vo	lo = 500 mA	
Enable	Reset	
Adv. thermal warning	Ishort control	
Watchdog		





L99VR0xx automotive voltage regulators

Family approach means ... Benefits including improved qualification times, delivery support and pricing







No more long lists of different products: A single L99VR instead of 8 different devices with complex markings

One qualified P/N instead of 8 different device qualifications

Whichever output voltage you choose, it is the same silicon line, same package, same testing and same part number for us

A single device, covering different application needs, mitigates potential delivery issues

Thanks to a single part number covering 8 different outputs needs, a "Family price" is achieved

Economy of scale helps to achieve competitive pricing



L99VR02J applications & solutions

Automotive

Industrial

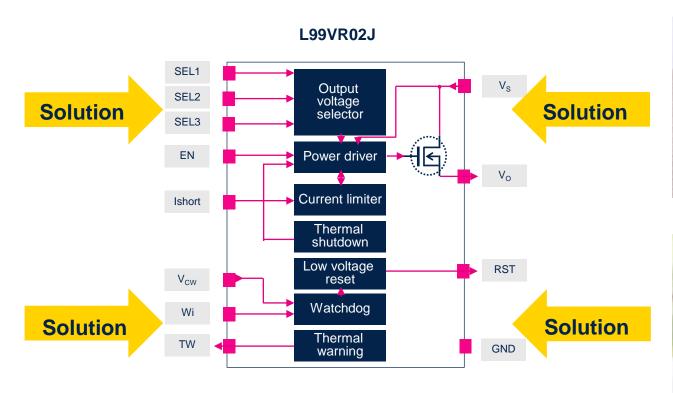


Front Light System supplied with 5 V



Keyless System supplied with 3.3 V







Several applications...only one Solution!!!



Thank you

