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 V  1.5 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. camera sensor)

Industrial

- Industrial automation
- Industrial instrumentation
- Building automation
- Portable electronic applications
- Battery-powered instruments
- Medical & healthcare
**L99VR02J automotive voltage regulators**

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<thead>
<tr>
<th>L99VR01J</th>
<th>L99VR01S</th>
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<tbody>
<tr>
<td>Configurable for 8 fixed Vo</td>
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<tr>
<td><strong>Io</strong> = 200 mA</td>
<td><strong>Io</strong> = 200 mA</td>
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<td>Enable</td>
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<td>Reset</td>
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<td>Adv. thermal warning</td>
<td>Ishort control</td>
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<td>Watchdog</td>
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<tr>
<th>L99VR02XP</th>
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<td>Configurable for 8 fixed Vo</td>
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<tr>
<td><strong>LDO1 Io</strong> = 250 mA</td>
<td><strong>Io</strong> = 500 mA</td>
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<td>Configurable for 8 fixed Vo</td>
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<td><strong>LDO2 Io</strong> = 250 mA</td>
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<td>Enable</td>
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L99VR0xx automotive voltage regulators

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

Simple part numbering
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

Delivery
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

Pricing
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

Front Light System supplied with 5 V

Keyless System supplied with 3.3 V

L99VR02J

Solution

Output voltage selector
Power driver
Current limiter
Thermal shutdown
Low voltage reset
Watchdog
Thermal warning

Sel1
Sel2
Sel3
En
Ishort
Vcw
Wi
Tw
V2
Vo
Rst
Gnd

Industial

Building Automation supplied with 1.8 V

Medical Instrumentation supplied with 2.8 V

Several applications…only one Solution!!!
Thank you