

## Product Overview

### LV5692P: 6-Channel Linear Voltage Regulator with High-Side Switch for Automotive Infotainment

For complete documentation, see the data sheet.

The LV5692P is a multiple output linear regulator IC, which allows reduction of quiescent current. The LV5692P is specifically designed to address automotive infotainment systems power supply requirements. The LV5692P integrates 5 linear regulator outputs, a linear regulator controller which gives USB supply with external P-channel FET, a high side power switch, overcurrent protection, overvoltage protection and thermal shutdown circuitry.

### Features

- Five channel regulator and one channel P-FET pre-driver (for USB-power)
- High side switch: Voltage difference between input and output is 0.5V, I<sub>Omax</sub> is 500mA
- Over current protector
- Overvoltage protector (Without VDD-OUT) Clamp voltage is 21V (typical)
- Thermal Shut down 175°C (typical)
- Quiescent current 50µA (Typ. when only VDD is in operation)

### Applications

- Automotive Audio and Infotainment System

### End Products

- Automotive systems

For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com).

Created on: 1/18/2019