

Product Overview

LV5696P: 6-Channel Linear Voltage Regulator with High-Side Switch for Automotive Infotainment

For complete documentation, see the data sheet.

The LV5696P is a multiple output linear regulator IC, which allows reduction of quiescent current. The LV5696P is specifically designed to address automotive infotainment systems power supply requirements. The LV5696P integrates 6 linear regulator outputs, a high side power switch, overcurrent protection, overvoltage protection and thermal shutdown circuitry.

Features

- Low current consumption : typ 50µA
- 6 system of regulators
- 1 high-side switch coupled VCC
- Over current protection
- Over voltage protection typ 21V (All outputs except for VDD are turned off)
- Thermal shut down circuit typ 175°C
- Applied P-LDMOS to output stage

Applications

- Automotive Audio and Infotainment System

End Products

- Automotive systems

Part Electrical Specifications

Product	Compliance	Status	Output	Polarity	V _O (V)	I _O Typ (A)	V _I Min (V)	V _I Max (V)	V _{DO} Typ (V)	I _Q Typ (mA)	PSRR (dB)	Noise (µV _{rms})	Enable	Power Good	Package Type
LV5696P-E	Pb-free	Active	Hex	Positive	5	0.8	7.5	16	-	0.05	50	-	Yes	No	HZIP-15J
					3 to 8(Adj)	0.2									
					1	0.3									
					8.5										
					8										
					3.3										
					3.3/5										

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Created on: 1/18/2019