

## Audio Amp Speaker 4-CH Stereo 50W Class-AB Automotive 27-Pin(27+Tab) FLEXIWATT(Vertical) Tube



Images are for reference only

**Manufacturer:** [STMicroelectronics, Inc](#)

**Package/Case:** ZIP

**Product Type:** Amplifier ICs

**Lifecycle:** Active

[Inquiry](#)

### General Description

The TDA7569BLV is the most advanced BCD technology quad bridge car radio amplifier of his family, including a wide range of innovative features. The TDA7569BLV is equipped with the most complete diagnostics array that communicates the status of each speaker through the I2C bus. The dissipated output power under average listening condition is significantly reduced when compared to the conventional class AB solutions, thanks to the patented solution. Moreover it has been designed to be very robust against several kinds of misconnections. It is moreover compliant to the most recent OEM specifications for low voltage operation (so called 'start-stop' battery profile during engine stop and re-start), helping car manufacturers to reduce the overall emissions and thus contributing to environment protection.

## Key Features

Multipower BCD technology

MOSFET output power stage

DMOS power output

Class SB high efficiency

High output power capability  $4 \times 28 \text{ W} / 4 \Omega @ 14.4 \text{ V}, 1 \text{ kHz}, 10\% \text{ THD}, 4 \times 45 \text{ W max power}$

Max power  $4 \times 72 \text{ W} / 2 \Omega$

Full I2C bus driving:

Standby

Independent front/rear soft play/mute

Selectable gain 26 dB/16 dB (for low noise line output function)

High efficiency enable/disable

I2C bus digital diagnostics (including DC bus AC load detection)

Standby

Independent front/rear soft play/mute

Selectable gain 26 dB/16 dB (for low noise line output function)

High efficiency enable/disable

I2C bus digital diagnostics (including DC bus AC load detection)

Full fault protection

DC offset detection

Four independent short circuit protection

Clipping detector pin with selectable threshold (2%/10%)

Standby/mute pin

Linear thermal shutdown with multiple thermal warning

ESD protection

Very robust against misconnections

Improved SVR suppression during battery transients

Capable to operate down to 6 V (e.g. "Start-stop")

## Recommended For You

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**TDA7387EP**

STMicroelectronics, Inc  
ZIP25

**TDA7562**

STMicroelectronics, Inc  
ZIP27

**TDA7296**

STMicroelectronics, Inc  
ZIP-15

**TDA7419**

STMicroelectronics, Inc  
SOP28

**TDA7561**

STMicroelectronics, Inc  
ZIP

**TDA7575B**

STMicroelectronics, Inc  
ZIP27

**TDA7376B**

STMicroelectronics, Inc  
ZIP-15

**TDA7851L**

STMicroelectronics, Inc  
ZIP-25

**TDA7417**

STMicroelectronics, Inc  
QFP

**TDA2005R**

STMicroelectronics, Inc  
ZIP

**TDA7801**

STMicroelectronics, Inc  
ZIP27

**TDA7388A**

STMicroelectronics, Inc  
ZIP-27

**TDA7850A**

STMicroelectronics, Inc  
ZIP27

**TDA7563ASM**

STMicroelectronics, Inc  
ZIP-27

**TDA75610LV**

STMicroelectronics, Inc  
ZIP27