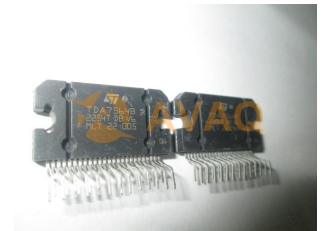


**Audio Amp Speaker 4-CH Stereo 75W Class-AB Automotive 25-Pin  
FLEXIWATT(Vertical) Tube**

Images are for reference only

**Manufacturer:** [STMicroelectronics, Inc](#)**Package/Case:** ZIP25**Product Type:** Amplifier ICs**Lifecycle:** Active[Inquiry](#)**General Description**

The TDA7564B is a new BCD technology quad bridge type of car radio amplifier in Flexiwatt25 / PowerSO36 package specially intended for car radio applications. Thanks to the DMOS output stage the TDA7564B has a very low distortion allowing a clear powerful sound. Among the features, its superior efficiency performance coming from the internal exclusive structure, makes it the most suitable device to simplify the thermal management in high power sets. The dissipated output power under average listening condition is in fact reduced up to 50% when compared to the level provided by conventional class AB solutions. This device is equipped with a full diagnostics array that communicates the status of each speaker through the I2C bus.

## Key Features

Multipower BCD technology

MOSFET output power stage

DMOS power output

New high efficiency (class SB)

High output power capability 4x28 W/4  $\Omega$  @ 14.4 V, 1 kHz, 10 % THD, 4x50 W max, power

Max. output power 4x72 W/2  $\Omega$

Full I2C bus driving:

Standby

Independent front/rear soft play/mute

Selectable gain (for low noise line output function)

High efficiency enable/disable

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

Standby

Independent front/rear soft play/mute

Selectable gain (for low noise line output function)

High efficiency enable/disable

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

Full fault protection

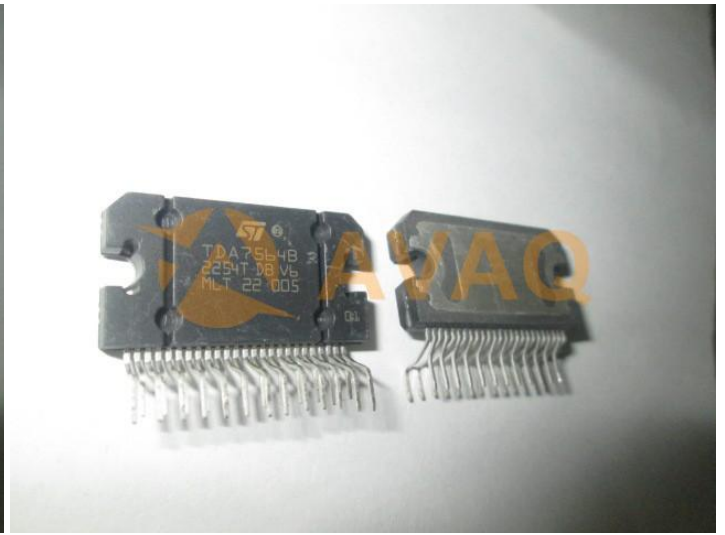
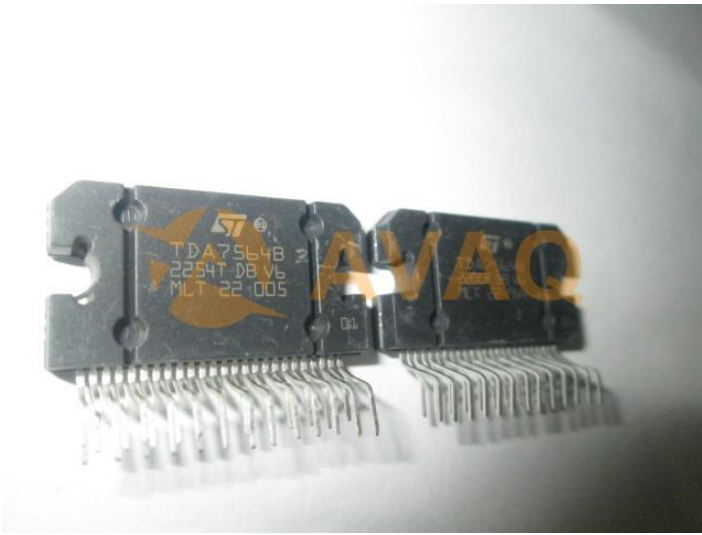
DC offset detection

Four independent short circuit protection

Clipping detector (2 %/10 %)

Linear thermal shutdown with multiple thermal warning

ESD protection



## 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