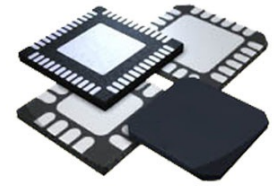


**Tuners AM/FM/HD/DAB/DRM Radio Automotive 64-Pin
VFQFPN EP Tray**



Images are for reference only

[Inquiry](#)

Manufacturer: [STMicroelectronics, Inc](#)

Package/Case: QFN

Product Type: RF Integrated Circuits

RoHS: RoHS Compliant/Lead free 

Lifecycle: Unconfirmed

General Description

The TDA7707 is a single chip fully-CMOS quad-band, dual-channel tuner aimed at receivers for analog and digital terrestrial radio broadcasting. When paired to STMicroelectronics's STA680 or STA660 digital decoder ICs, the TDA7707 constitutes a complete optimized RF and baseband AM/FM/HD/DAB/DRM solution for automotive grade receivers and other applications. The TDA7707 combines state-of-art performance with minimum external component count, making it therefore ideal for integration into car radios and other AM/FM/HD/DAB/DRM devices with challenging performance, quality, reliability and, last but not least, cost requirements. Combining TDA7707 with either STA680 or STA660 results in a complete, multi-standard receiver solution, with low bill of material, high performance and real automotive grade quality and reliability. Two device versions are available, differing only by the ROM content: the TDA7707EB requires a small FW code to be downloaded for booting the IC, thus making it especially suited to systems whose microcontroller has limited code storage capability.

Key Features

AEC-Q100 qualified

Dual AM/FM reception with digital IF processing

Digital radio support for dual-channel HD-Radio™ and DAB/DRM reception through external coprocessor

Integrated phase antenna diversity processing

Fully integrated dual VCO for world tuning

High performance PLLs for fast RDS system

Integrated IF-filters with high selectivity, dynamic range and adaptive bandwidth control

Drift-free and alignment-free digital IF-signal processing with high performance and flexibility

Integrated RF switch matrix in FM

RDS demodulation with group and block synchronization

Filtered MPX for VICS applications

High performance stereo decoder with noise-blanker

Analog DAC stereo output and I2S digital output

I2S, JESD204B, LVDS, high-speed digital I/Q base-band interface

I2C/SPI bus-controlled

Single 3.3 V external supply

Recommended For You

TDA7706

STMicroelectronics, Inc

LQFP64

TDA7540N

STMicroelectronics, Inc

QFP

TDA7786C

STMicroelectronics, Inc

LQFP64

TDA7786

STMicroelectronics, Inc

LQFP64

TDA7541

STMicroelectronics, Inc

QFP64

TDA7705

STMicroelectronics, Inc

QFP

TDA7529

STMicroelectronics, Inc

QFP

E-TDA7479D

STMicroelectronics, Inc

SOP16

TDA7708S

STMicroelectronics, Inc

QFN52

TDA7708CB

STMicroelectronics, Inc

QFN64

TDA7708CBTR

STMicroelectronics, Inc

QFP64

TDA7786TR

STMicroelectronics, Inc

LQFP-64

TDA7786MIR

STMicroelectronics, Inc

LQFP-64

TDA7540NTR

STMicroelectronics, Inc

QFP80

TDA7705TR

STMicroelectronics, Inc

QFP64