

AN3972FB, AN3972FC

Peak-Noise Reduction plus Output Switching IC for Hi-Fi VCR FM-Audio

Overview

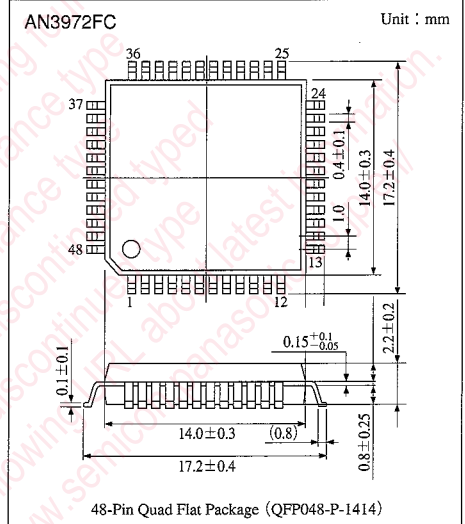
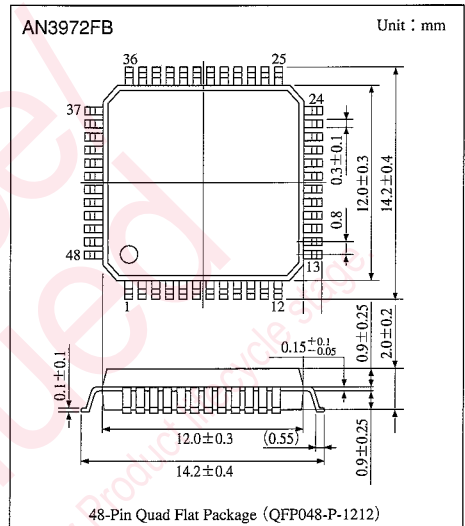
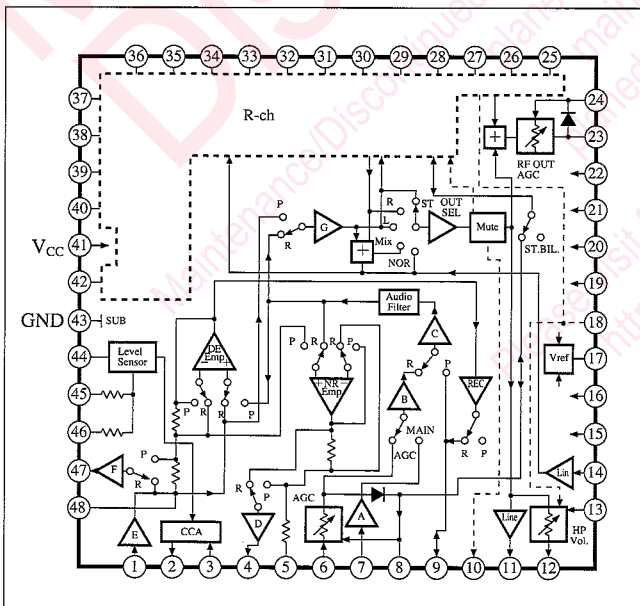
The AN3972FB and AN3972FC are the ICs developed for Hi-Fi VCR FM-audio noise reduction and output switching.

In order to reduce the number of parts, bring down costs, and improve performance along with popularization of Hi-Fi VCR, they can provide FM audio system in combination with the FM signal processing IC AN3932 and Rec/head amplifier IC AN3314.

Features

- Operating supply voltage 12V (typ.), current consumption 28mA (encode mode, typ.).
- Less external parts.
- AGC level setting-free enabled by independent AGC input pin.
- Completely meet with multiplex sound by means of built-in AGC stereo/bilingual selection electronic switch.
- Improved sound quality by unique low dynamic DC offset circuit.
- Improved S/N ratio by out-of-band noise elimination by 4th-order low-pass filter that is fully built in.
- Output for RF converter with AGC.
- Built-in electronic VR for headphone output.
- Meet with after-recording in mixing of FM sound and normal sound (at playback).

Block Diagram



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