



ALNA – Low Noise Active Antenna Amplifier

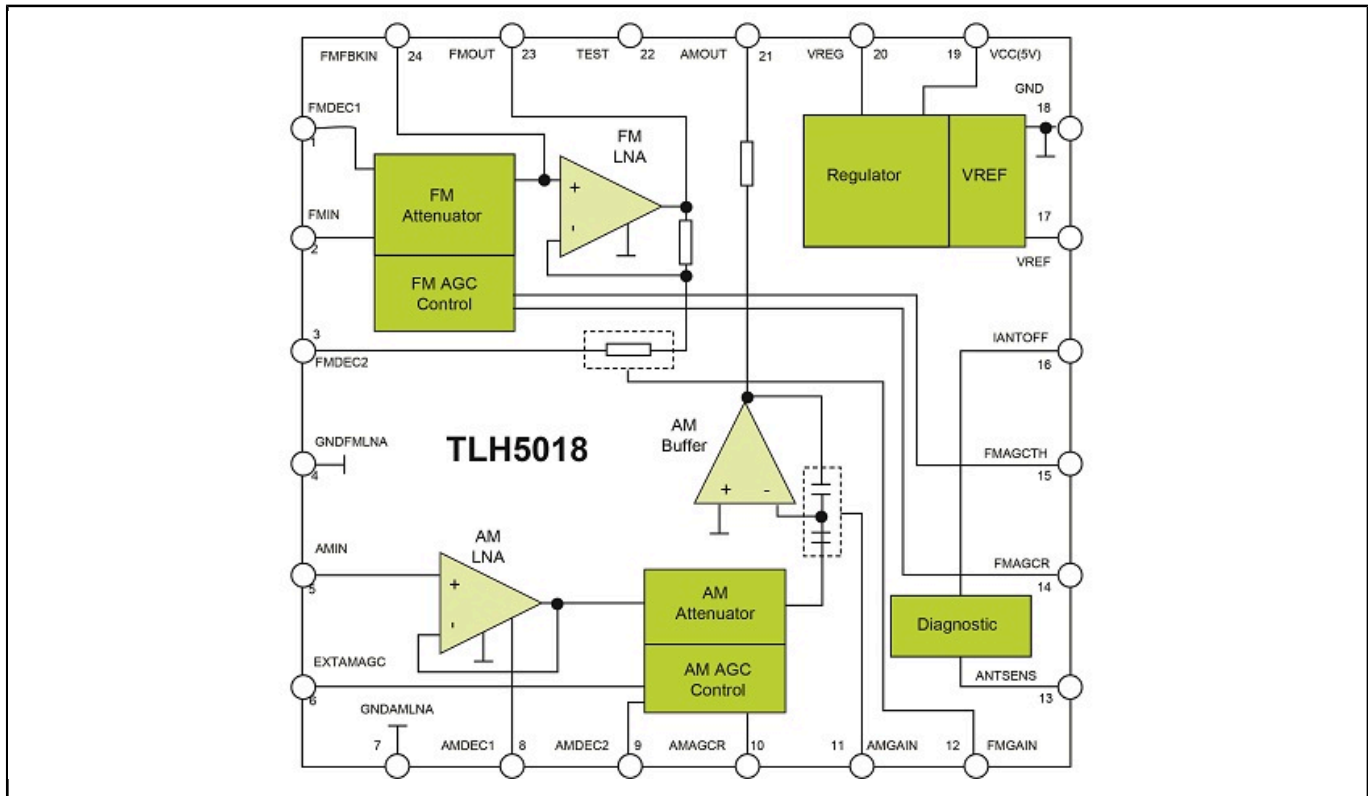
TLH501x

Last Updated: Mar 18, 2024

The ALNA (Advanced Antenna Low Noise Amplifier) is the integrated antenna amplifier solution for AM/FM as DAB. It offers system cost reduction through integration as well as excellent performance with its highly linear gain. One key feature is the AGC for each path with configurable thresholds.

The AGC improves the linearity of the system amplification as well as it significantly improves the radio system performance. Other built-in features include a blanking detection and antenna diagnostic features. ALNA based antenna designs offer state-of-the-art performance at a high flexibility, small form factor with great cost-effectiveness.

ALNA – Low Noise Active Antenna Amplifier Block Diagram



View additional information for [ALNA – Low Noise Active Antenna Amplifier](#).

Note: The information on this document is subject to change without notice.

www.nxp.com

NXP and the NXP logo are trademarks of NXP B.V. All other product or service names are the property of their respective owners. The related technology may be protected by any or all of patents, copyrights, designs and trade secrets. All rights reserved. © 2024 NXP B.V.