



DESCRIPTION

FC7530 is primarily designed for a receiver LNA of FCI's zipRF™ family for the triple-band quad-mode system, operating in the advanced mobile phone system (AMPS), the global positioning system (GPS), cellular/PCS code-division multiple-access (CDMA) system. This chip provides three-step gain control via SPI (Serial-Parallel Interface) to improve dynamic range and receiver performance. The LNA bias currents are also controlled by SPI to optimize overall performance and power consumption. FC7530 is manufactured with a SiGe BiCMOS process, and is packaged in a lead-free small package, named 4mmx4mm MLF-24.

FEATURES

- Triple band operation: Cellular & PCS & GPS
- Quad mode operation: Cellular CDMA/AMPS, PCS CDMA, GPS
- Triple gain step LNA: Cellular/PCS CDMA
- Low single voltage operation
- Low noise figure and high linearity
- Low power consumption
- 4mm x 4mm lead-free MLF-24 package

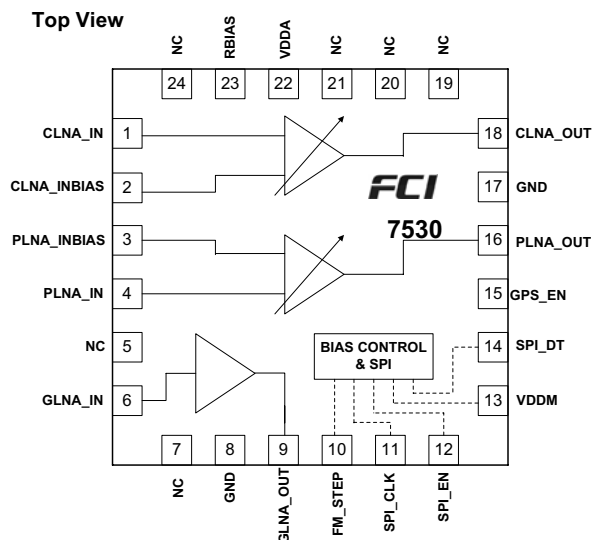
APPLICATIONS

- AMPS-mode mobile phone
- GPS-mode mobile phone
- CDMA-mode mobile phone
- CDMA-mode PCS mobile phone
- J-CDMA mode mobile phone
- General purpose LNAs

REVISION HISTORY

- **Tentative** version release: Nov. 2004.
- **Preliminary** version release: Jan. 2005.
- **Preliminary** version release: Feb. 2005.
- **Preliminary** version release: Apr. 2005.
- **Preliminary** version release: May. 2005.

PIN CONFIGURATION



For latest specifications, technical questions and additional product information, visit website or e-mail

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