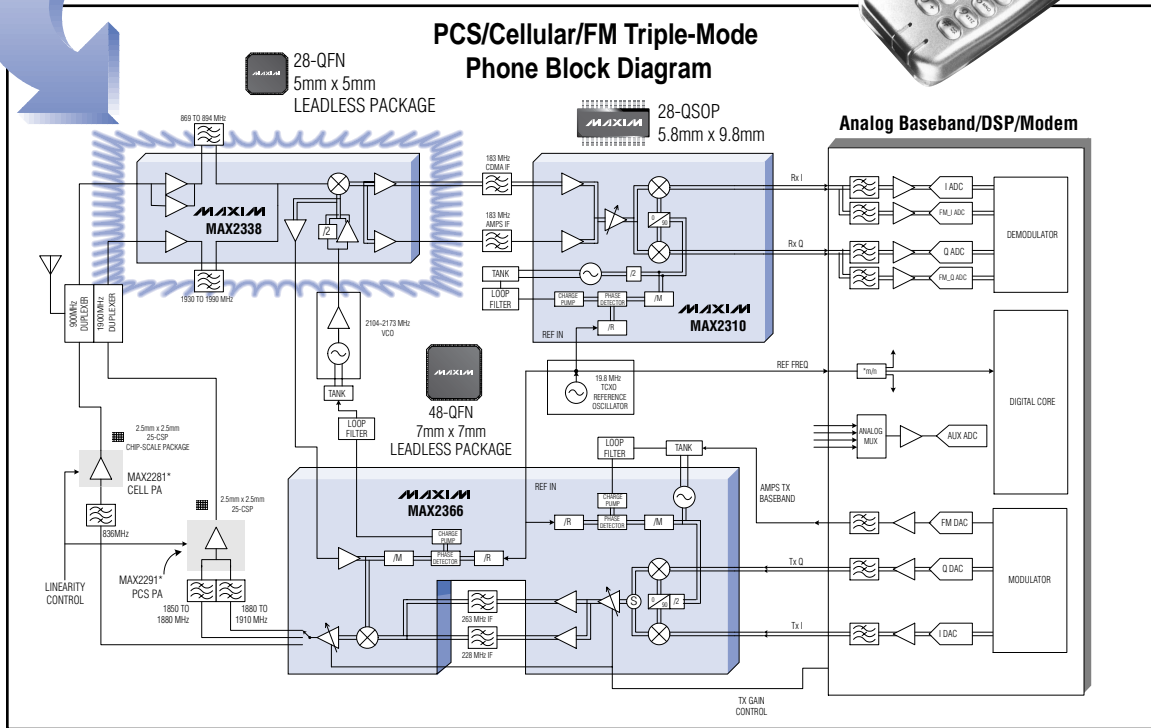


# SLASH COST AND COMPONENT COUNT IN YOUR DUAL-MODE CELL PHONE

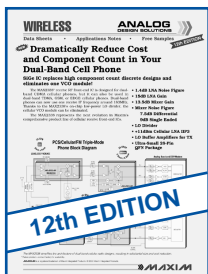
## SiGe IC Replaces High-Component-Count Discrete Designs and Eliminates the Cellular Band VCO Module

The MAX2338 RF front-end receive IC is designed for dual-band CDMA cellular phones, and it can also be used in dual-band TDMA, GSM, or EDGE cellular phones. Dual-band CDMA phones can now use one receive IF frequency of approximately 183MHz. Thanks to the MAX2338's on-chip low-power LO divider, the cellular-band VCO module can be eliminated.

- ◆ 1.4dB LNA Noise Figure
- ◆ 15dB LNA Gain
- ◆ 13.5dB Mixer Gain
- ◆ Mixer Noise Figure
- ◆ 7.5dB Differential
- ◆ 9dB Single-Ended
- ◆ LO Divider
- ◆ +11dBm Cellular LNA IIP3
- ◆ LO Buffer Amplifiers Drive Transmitter
- ◆ Ultra-Small 28-Pin QFN Package



The MAX2338 represents the next generation in Maxim's comprehensive product line of cellular receive front-end ICs.



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