

## 5.15-5.85GHz 802.11ac Low Noise Amplifier

### Description

The LX5575 is a 5GHz low noise amplifier (LNA) with bypass capability. The architecture and interface are optimized for next generation WLAN integration into high throughput 802.11ac devices and provides outstanding performance across temperature and voltage range.

The LX5575 is available in a 16-pin low profile 2.5x2.5x0.45mm QFN Package.

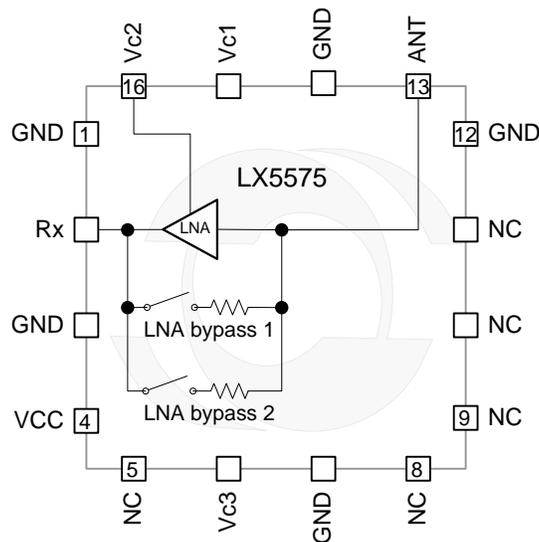
### Features

- 3V to 5V Supply Voltage
- Integrated Bypassable LNA with Low NF
- Small Footprint: 2.5 x 2.5mm<sup>2</sup>
- Low Profile: 0.45mm max
- RoHS Compliant & Halogen Free

### Applications

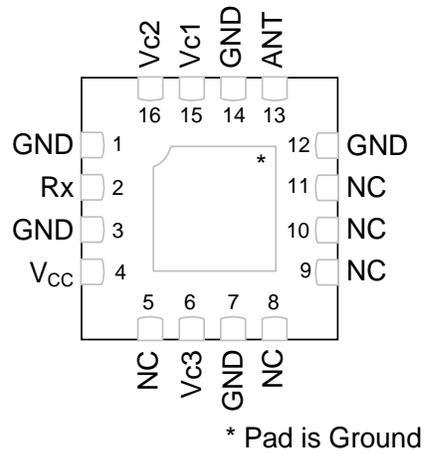
- Tablets
- Access Points
- Mobile Devices
- Notebooks
- Gaming

### Block Diagram



**Figure 1** - Functional Block Diagram

## Pin Configuration



**Figure 2** · Pinout (Top View)

## Ordering Information

Ambient Temperature	Type	Package	Part Number	Packaging Type
-40°C to 85°C	RoHS2 Compliant, Pb-free 100% Matte Tin lead finish	QFN 2.5mm x 2.5mm x 0.45mm 16L	LX5575LL	Bulk / Tube
			LX5575LL-TR	Tape and Reel



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