

## LNA/PA RF Front End

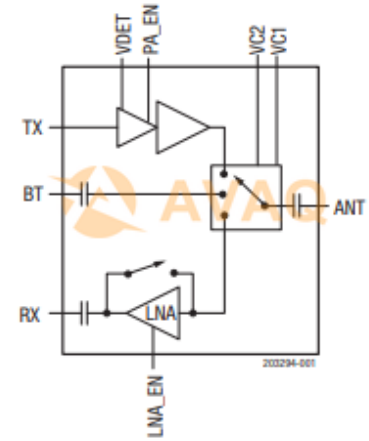
**Manufacturer:** [Skyworks Solutions, Inc](#)

**Package/Case:** QFN

**Product Type:** RF Integrated Circuits

**RoHS:** RoHS Compliant/Lead free 

**Lifecycle:** Active



Images are for reference only

[Inquiry](#)

## General Description

The SKY85310-21 is a complete 802.11b/g/n 256 QAM WLAN RF front-end module (FEM) with a Bluetooth port. The device provides all the functionality of a fully matched power amplifier (PA), power detector, low-noise amplifier (LNA), and single-pole, triple-throw (SP3T) switch.

The SKY85310-21 provides a complete 2.4 GHz WLAN RF solution from the output of the transceiver to the antenna, and from the antenna to the input of the transceiver. The LNA increases the receive sensitivity of embedded solutions to improve range or to overcome the insertion loss of cellular filters (often included for mobile applications).

The SKY85310-21 also includes a transmitter power detector with 20 dB of dynamic range, and a digital enable control for transmitter power ramp on/off control.

The device is provided in an ultra-compact, 16-pin 3 x 3 mm Quad Flat No-Lead (QFN) package.

## Key Features

Integrated high-performance 2.4 GHz PA, harmonic filter, LNA with bypass, and T/R switch

Fully-matched input and output

LNA with integrated bypass mode

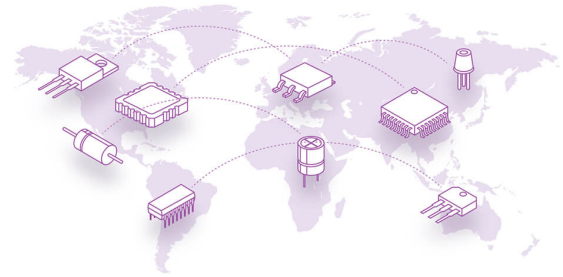
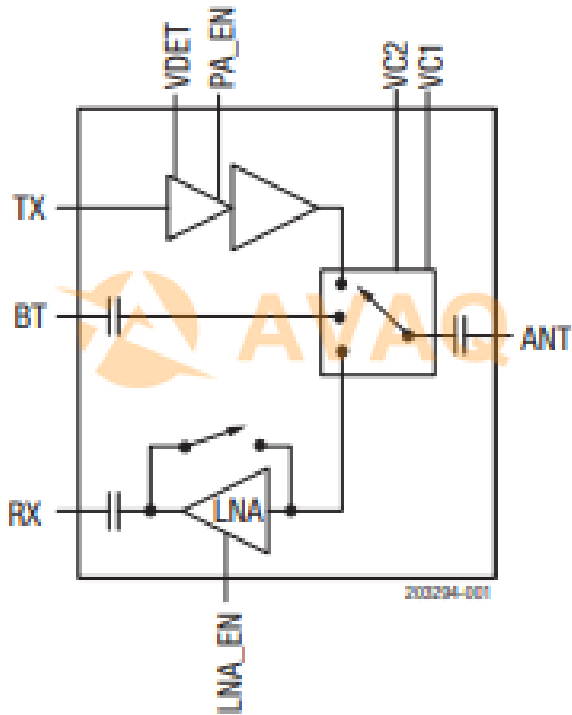
High performance SP3T switch to support Bluetooth/WiFi functions

Integrated positive slope power detector

Transmit gain: 30 dB

Receive gain: 12 dB

Small QFN (16-pin, 3 x 3 mm) package (MSL1, 260°C per JEDEC J-STD-020)



## Recommended For You

### SKY85712-21

Skyworks Solutions, Inc

QFN

### SKY13373-460LF

Skyworks Solutions, Inc

QFN

### SKY65404-31

Skyworks Solutions, Inc

QFN

### SKY67151-396LF

Skyworks Solutions, Inc

QFN

### SKY65723-81

Skyworks Solutions, Inc

DFN-6

### SKY13320-374LF

Skyworks Solutions, Inc

QFN

### SKY13415-485LF

Skyworks Solutions, Inc

QFN14

### SKY13585-679LF

Skyworks Solutions, Inc

QFN

### SKY85712-11

Skyworks Solutions, Inc

QFN

### SKY13416-485LF

Skyworks Solutions, Inc

QFN

### SKY13431-374LF

Skyworks Solutions, Inc

DFN6

### SKY13372-467LF

Skyworks Solutions, Inc

QFN

**SKY67150-396LF**

Skyworks Solutions, Inc

DFN6

**SKY13414-485LF**

Skyworks Solutions, Inc

QFN

**SKY65405-21**

Skyworks Solutions, Inc

QFN