



SKYWORKS®

## PRODUCT SUMMARY

# SKY53741-11: Sky5® Diversity Receive Module for MIMO MLB/MB/HB Applications

## Applications

- 2G/3G/4G/5G multimode cellular handsets (5G NR, LTE, UMTS, CDMA2000, EDGE, and GSM)
- Antenna cable loss compensation circuits
- Embedded data cards

## Features

- Rx diversity FEM with the following integrated filter bands:
  - n76 (1427 to 1432 MHz)
  - n75 (1432 to 1517 MHz)
  - B32 (1452 to 1496 MHz)
  - B3 (1805 to 1880 MHz)
  - B34 (2010 to 2025 MHz)
  - B39 (1880 to 1920 MHz)
  - B25 (2) (1930 to 1995 MHz)
  - n70 (1995 to 2020 MHz)
  - B66 (1) (2110 to 2200 MHz)
  - B40 (2300 to 2400 MHz)
  - B41 (38) (2496 to 2690 MHz)
  - B7 (2620 to 2690 MHz)
- Fully integrated EMI shielding
- Integrated downlink carrier aggregation (CA) support for B1-3-7-40, B1-3-41, B34-39-41, B1-40-41, B3-40-41, B25-66-7, B25-66-30, B25-66-41, B7-30, B1-3-40-41, B1-3-32-41
- High-performance variable gain LNAs
- High-performance Multi-On, N-Plexing technology enabling superior non-CA and CA performance
- Two TRX switch ports (MHB\_TRX1/2)
- Auxiliary LNA ports:
  - LNA\_AUX\_MHB1 (1805 to 2690 MHz)
  - LNA\_AUX\_MHB2 (1805 to 2690 MHz)
  - LNA\_AUX\_MLB (1495.9 to 1510.9 MHz)
  - LNA\_AUX\_MB (2110 to 2170 MHz)
- Integrated MIPI RFFE interface

- Small 3.5 x 3.6 x 0.7 mm (max.) 56-lead package
- Lead (Pb)-free and RoHS-compliant (MSL3 @ 260 °C per JEDEC J-STD-020)

## Description

The SKY53741-11 is a mid-low band (MLB)/mid-band (MB)/high-band (HB) multi-in, multi-out (MIMO) diversity receive module to be used in a cellular mobile device. The device supports cellular diversity receiver functions. The SKY53741-11 is part of our Sky5® product portfolio.

The diversity module supports all key 2, 3, and 4 carrier aggregation band combinations.

High-performance, multi-gain mode LNAs are integrated, enabling compatibility with next generation LNA-less LTE transceivers.

The SKY53741-11 is compatible with 3GPP GSM, WCDMA, LTE, LTE-A and 5G standards and includes filters for the following service bands: n75, n76, B32, B3, B34, B39, B25 (2), n70, B1, B66, B40, B30, B41 (38), and B7.



Skyworks Green™ products are compliant with all applicable legislation and are halogen-free. For additional information, refer to *Skyworks Definition of Green™*, document number SQ04-0074.

## Ordering Information

Part Number	Part Description	Evaluation Board Part Number
SKY53741-11	SKY53741-11: Sky5® Diversity Receive Module for MIMO MLB/MB/HB Applications	SKY53757-11EK1

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