



PRODUCT SUMMARY

SKY53746-11: Sky5® LB/MLB/MB/HB Diversity Receive Module

Applications

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

Features

- Rx diversity front end module with the following integrated filter bands:
 - B8, 925 to 960 MHz
 - B26/5/18/19, 859 to 894 MHz
 - B20, 791 to 821 MHz
 - B3, 1805 to 1880 MHz
 - B28, 758 to 803 MHz
 - B41 (38), 2496 to 2690 MHz
 - B7, 2620 to 2690 MHz
 - B1, 2110 to 2170 MHz
 - B66(4), 2110 to 2200 MHz
 - B34, 2010 to 2025 MHz
 - B39, 1880 to 1920 MHz
 - B25(2), 1930 to 1995 MHz
 - B70, 1995 to 2020 MHz
 - B3, 1805 to 1880 MHz
 - B40, 2300 to 2400 MHz
 - B32, 1452 to 1496 MHz
 - B75, 1432 to 1517 MHz
 - B76, 1427 to 1432 MHz
- Low insertion loss
- Integrated downlink carrier aggregation (CA) support for
 - B8-20, B8-28, B28-20, B1-3-7-40, B1-3-7-32, B1-3-40-41, B2-66-7, B34-39-41, B7-40, B40-41, B25-66-41, and B1-21 (Aux)
- High performance variable gain LNAs
- High performance Multi-On, N-Plexing technology enabling superior non-CA and CA performance
- TRX switch ports:
 - MHB_TRX1
 - MHB_TRX2
 - LB_TRX1
 - LB_TRX2
 - LB_TRX3
- Auxiliary LNA ports:
 - LNA_AUX_LB1, 617 to 821 MHz
 - LNA_AUX_LB2, 617 to 960 MHz
 - LNA_AUX_LB3, 617 to 960 MHz
 - LNA_AUX_MLB, 1427 to 1517 MHz
 - LNA_AUX_MHB1, 1805 to 2690 MHz
 - LNA_AUX_MHB2, 1805 to 2690 MHz
 - LNA_AUX_MHB3, 1805 to 2690 MHz
 - LNA_AUX_HB4, 2300 to 2690 MHz
 - LNA_AUX_MHB5, 1805 to 2690 MHz
 - LNA_AUX_MHB6, 1805 to 2690 MHz
- Integrated MIPI RFFE v3.0 interface
- Small 4.7 x 4.0 x 0.70 (max.) mm 81-lead LGA package
- Lead (Pb)-free and RoHS-compliant package (MSL3 @ 260 °C per JEDEC J-STD-020)

Description

The SKY53746-11 is a diversity receive module and is scalable to support two CA MIMO regional and roaming band requirements. The SKY53746-11 is part of our Sky5® product portfolio. The SKY53746-11 is compatible with 3GPP GSM, WCDMA, LTE, LTE-A and 5G standards.



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
SKY53746-11	LB/MLB/MB/HB Diversity Receive Module	SKY53746-11EK1

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