Skyworks has been empowering advancements in wireless connectivity for decades. Today, our highly innovative analog semiconductors continue enabling revolutionary applications as global demand for 5G explodes across mobile and Internet of Things ecosystems.

We invite you to learn more about our newest solutions as we help to connect people, places and things - bringing everyone closer to vital information wherever it is needed.

**Contact us today!**

Work with us to help you unleash the true potential of 5G and ensure that your products are among the estimated 75 billion devices that will be intelligently connected by 2025.

sales@skyworksinc.com

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“Commercial 5G Solution of the Year”

Our Sky5® platform was named winner of the “Commercial 5G Solution of the Year” by Mobile Breakthrough, a leading independent market intelligence organization that recognizes top companies, technologies and products in the global wireless and mobile market.

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**Connecting Everyone and Everything, All the Time**

www.skyworksinc.com
World's Smallest 5G Massive IoT Solution

SKY66430-11

Features
- Turnkey LTE/5G Solution Covering
  - 18 Bands
  - 700 MHz–2.2 GHz
- LTE-M and NB-IoT Ready
- Pre-certified by
  - Carrier, Industry and Regulatory Bodies
- Low Power Consumption
- Positioning Over LTE
- Proprietary Conformal Shielding – Ag Free

Benefits
- Enables Overall Size Reduction
- Simplifies End Product Development
- Reduces Development Costs

Applications
- Wearables
- Personal and Asset Trackers
- Alarm Systems
- Security Cameras
- Industrial Monitoring
- Low-power IoT Devices
- Smart Metering

See Skyworks’ product in action!
Rechargeable Global Tracker Enabled by Skyworks’ Innovative IoT System-in-Package

SKY66430-11 package size: 8.8 x 10.8 x 0.95 mm

Found by Pebblebee
# New and Featured Products by Market

## The Right Design Choice Starts Here

Below please find our new and featured products from our broad portfolio.

New products (purple, bold) are continually being introduced at Skyworks. For up-to-date information on products in development, please contact your local Skyworks sales representative.

### Markets

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<tr>
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<td>2.4 GHz Front-end Module for Zigbee® / Thread / Bluetooth® Applications</td>
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<td>2.4 GHz Low Power, Low Profile Front-end Module for Bluetooth® IoT Applications</td>
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<td>2.4 GHz High Power 802.11ax WLAN Front-end Module</td>
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<td>SkyHi™ Power Amplifier Module for High Linearity DECT and ULE Applications</td>
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<td>SKYS®-A1007</td>
<td>0.4 to 5.9 GHz DPDT Low Insertion Loss / High Isolation Switch</td>
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New and Featured Products

Connected Home

Home life just got easier thanks to innovations from Skyworks. Our products allow homeowners greater control over their environment with a host of connected devices including thermostats, security systems, touch pads, security sensors, light switches, smoke and CO alarms, major appliances, and door locks. From Wi-Fi (802.11) to Zigbee®, Thread and Bluetooth® (including Low Energy), our wireless solutions deliver advanced short and long range connectivity—making the connected home that much smarter.

169 to 170 MHz Transmit / Receive Front-end Module for Smart Meter Systems

SKY66121-11

- Transmit output power: >+30 dBm
- High efficiency PA
- Receive loss with filter: 0.9 dB
- Sleep mode current: < 1 μA
- Integrated control logic
- Packaging: MCM 16-pin 4 x 4 x 0.76 mm

2.4 GHz Front-end Module for Zigbee® / Thread / Bluetooth® Applications

SKY66404-21

- Integrated PA with up to +17 dBm output power
- Integrated LNA (2.5 dB noise figure typical) and bypass path
- Integrated antenna diversity switching for all modes
- Single-ended transmit/receive interface
- Fast switch on/off time: < 800 ns
- Supply range: 1.7 V to 3.6 V
- Sleep mode current: < 1 μA typical
- Packaging: MCM 22-pin 3.5 x 3.0 x 0.82 mm

2.4 GHz Front-end Module for Zigbee® / Thread / Bluetooth® Applications

SKY66405-11

- Integrated PA with +13 dBm output power
- Integrated LNA (2 dB noise figure typical) and bypass path
- Single-ended transmit/receive interface
- Fast switch on/off time: < 800 ns
- Supply range: 1.7 to 3.6 V
- Sleep mode current: < 1 μA typical
- Packaging: MCM 12-pin 1.9 x 1.9 x 0.56 mm
New and Featured Products

**Connected Home (Continued)**

### 2.4 GHz Low Power, Low Profile Front-end Module for Bluetooth® IoT Applications

**SKY66407-11**
- Adjustable gain, output power, and current consumption
- Max BT EDR output power: +11.5 dBm
- Wide supply range: 1.7 to 3.6 V
- High ESD rating: 2 kV
- Low sleep current: < 1 µA
- Low Rx bypass loss
- Packaging: CSP 9-pin 1.2 x 1.2 x 0.35 mm

![Functional Block Diagram](image)

### SkyHi™ Power Amplifier Module for High Linearity Digital Enhanced Cordless Telecommunications (DECT) and Ultra Low Energy (ULE) Applications

**SKY77762-81**
- Low voltage positive bias supply 3.0 V to 4.5 V
- High efficiency: 46% at 28.6 dBm
- Large dynamic range
- Supports low collector voltage operation
- Digital enable
- No VREF required
- CMOS compatible control signals
- Integrated directional coupler
- Packaging: MCM 10-pad 3 x 3 x 0.9 mm

![Functional Block Diagram](image)
New and Featured Products

Networking

As the demand for portable, reliable, anytime connectivity increases, innovative solutions are required to deliver a better consumer Wi-Fi experience. Skyworks’ diverse portfolio is enabling the rapidly growing network of wireless devices. Our advanced 2.4 GHz and 5 GHz engines provide high efficiency, low power consumption and industry-leading linearity supporting high modulation rates and multi-use MIMO operation. Our solutions accelerate the next generation standards such as Wi-Fi CERTIFIED 6™.

2.4 GHz, 1024 QAM WLAN FEM for 802.11ax (Wi-Fi 6) Applications
SKY85330-21
- Integrated high-performance 2.4 GHz PA, LNA with bypass, and T/R switch
- Fully matched input and output
- LNA with integrated bypass mode
- Transmit / receive gain: 32 / 16 dB
- Packaging: QFN 16-pin 2.5 x 2.5 x 0.45 mm

2.4 GHz High Power 802.11ax WLAN FEM for 802.11ax (Wi-Fi 6) Networking Systems
SKY85331-11
- Integrated high-performance 2.4 GHz PA, LNA with bypass, and T/R switch
- Fully matched input and output
- Integrated logarithmic power detector
- Transmit gain: 33 dB
- Supports 802.11ax output power:
  - +20 dBm, -43 dB DEVM, MCS11
  - +22 dBm, -40 dB DEVM, MCS11
  - +24 dBm, -35 dB DEVM, MCS9
- High LNA gain: 15 dB
- Packaging: QFN 24-pin 3 x 5 x 0.85 mm

2.4 GHz WLAN Front-end Module for 802.11ax (Wi-Fi 6) Networking Systems
SKY85333-11
- Integrated high-performance 2.4 GHz PA, LNA with bypass, and T/R switch
- Fully matched input and output
- Integrated power detector and directional coupler
- Transmit / receive gain: 33 / 16 dB
- Output power: +28 dBm, MCS0
- Packaging: LGA 24-pin 3 x 5 x 0.85 mm
New and Featured Products

**Networking (Continued)**

**5 GHz High Power WLAN Front-end Module for 802.11ax (Wi-Fi 6) Networking Systems**

**SKY85743-21**

- Integrated high-performance 5 GHz PA, LNA with bypass, and T/R switch
- Fully matched input and output
- Integrated logarithmic power detector and directional coupler
- Transmit gain: 32 dB typical
- Supports 802.11ax: output power:
  - +21 dBm, ~43 dB DEV, MCS11
  - +22 dBm, ~40 dB DEV, MCS11
  - +24 dBm, ~35 dB DEV, MCS9
- Conformally shielded part
- Packaging: LGA 24-pin 3 x 5 x 1.2 mm

**SKY85747-11**

- Integrated high-performance 5 GHz PA, LNA with bypass, and T/R switch
- Fully matched input and output
- Integrated logarithmic power detector and directional coupler
- Transmit / receive gain: 34.5 / 16 dB
- Supports 802.11ax output power: +18.5 dBm, ~43 dB DEV, MCS11
- Highly sensitive, jammer-tolerant LNA
- Packaging: LGA 24-pin 3 x 5 x 1.2 mm

**5 GHz 802.11ax Ultra Linear WLAN Front-end Module with Integrated Log Detector for 802.11ax (Wi-Fi 6) Set-top Boxes, Networking, and Personal Computer Systems**

**SKY85748-11**

- Integrated 802.11ax 1024 QAM, 5 GHz PA, LNA with bypass, and T/R switch
- Fully matched input and output
- Integrated logarithmic power detector
- Transmit gain: 32 dB
- Receive gain: 13 dB
- Packaging: QFN 16-pin 2.5 x 2.5 mm
New and Featured Products

Automotive

From telematics to infotainment systems, on-board diagnostics, automated emergency management, collision avoidance platforms and vehicle-to-vehicle (V2V) communications, Skyworks’ extensive wireless portfolio takes seamless connectivity in today’s cars to the next level—making the driving experience increasingly smarter and safer.

DPDT Switch for Automotive Cellular Telematics Requiring C-V2X Support
SKY5®-A1007
- Broadband frequency range: 0.4 to 5.9 GHz
- Support for automotive PPAP
- Support for IMDS material declaration
- Independent BOM management to minimize PCN risk
- Extended operating temperature: -40 to 105 °C
- Low insertion loss: 0.7 dB (typical) @ CV2X/11p frequency (5.75 to 5.925 GHz)
- High isolation: 30 dB @ 3.8 GHz
- Packaging: QFN 12-pin 1.83 × 1.83 × 0.5 mm

5.9 GHz 802.11p DSRC High Power Front-end Module for 802.11p V2V and V2X Applications
SKYA21043
- AEC-0100 Grade 2 (-40 °C to +105 °C) qualified
- Support for automotive PPAP
- High output power across wide temperature range: +25 dBm, 802.11p/DSRC (5.85 to 5.925 GHz) at +105 °C
- 8 kV ESD protection on antenna output port
- Fully matched input and output
- Integrated logarithmic detector with wide dynamic range
- Ideal for EU toll booth location reduction to +10 dBm
- Highly sensitive, jammer-tolerant (IIP3 > +10 dBm), high-gain (16 dB) LNA
- Packaging: MCM 24-pin 3 x 3 x 1.2 mm (comformally shielded)
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