



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Lattice Snap 60 GHz Short Range Wireless Module Set

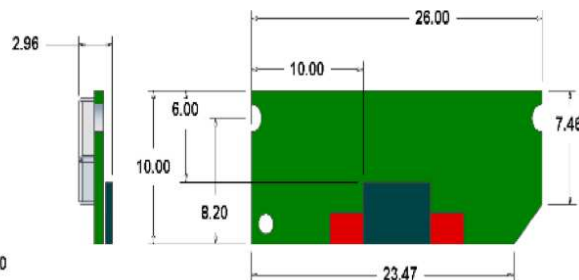
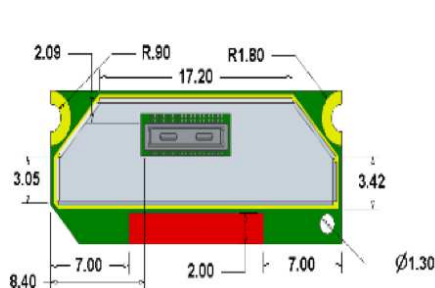
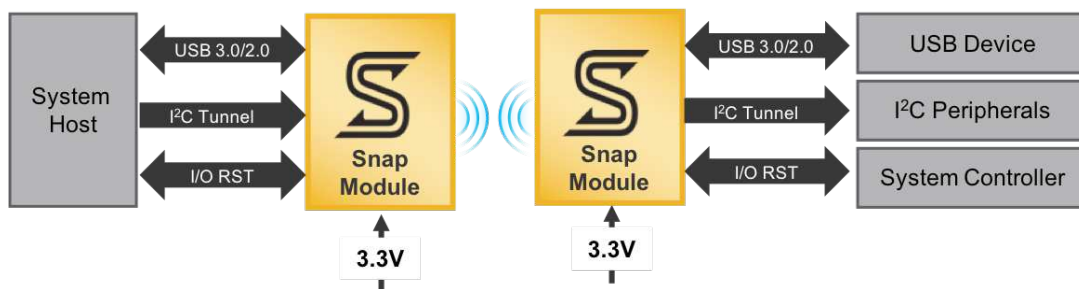
12 Gbps Link for USB 3.1 Connector Replacement

Lattice Snap modules offer a fully integrated solution, which is compliant with regulatory requirements in several jurisdictions. With built-in power regulation and timing, the Snap module kit provides a quick plug and play option for those that require a short range wireless link to eliminate mechanical USB 3.1 connectors. There are 4 module options available from Lattice. Please choose the module for your application needs from the table below.

Part #	MOD6210	MOD6212	MOD6211	MOD6213
Type	Edge Fire Module	Broad Fire Module	Edge Fire Module	Broad Fire Module
I ² C	Connect to Master	Connect to Master	Connect to Slave	Connect to Slave
Proximity Detection	Responder	Responder	Indicator	Indicator

System Benefits

- High capacity - exploits the wide channels and spectrum of the 60 GHz band, offering a full-duplex, 12 Gbps wireless data link
- No firmware/drivers required - mimics a mechanical connector such that no additional software drivers are required to enable link
- Fully integrated with regulatory compliance - modules include power regulation, xtal matching, and regulatory compliance
- Quick time to market - module size and board stackup designed to minimize interference and crosstalk for quick and efficiently product design



Applications

Elegantly Upgrade Mobile Devices

Add more storage. Add an improved camera. Add a loud speaker. Turn your mobile device into a laptop. Why not do so with the worlds most elegant upgradeable link? The connector-less device allows you to upgrade in a snap!



Kiosk-Based Instant Data Transfers

About to hop on a plane? Download a full HD movie in seconds via a short range wireless connection to your tablet or phone.



Improved Productivity Experience with 2:1 Notebooks Based on Phones/Tablet

Imagine walking into a coffee shop lined fully with productivity setups for your phone. Your data, emails, contacts, and network connectivity is already in your phone, so the productivity setup simply needs to be a keyboard, mouse, and a display. Drop your phone down, grab a coffee, charge your phone, and get productive.

Wearable HD or UHD Body Cameras

Ruggedized body cameras without connectors help capture what's going on around you all of the time.

Connector-less Cables

Magnetically connect high-speed cables quickly versus having to mechanically align and possibly damage a connector.

Target Specifications

Mechanical Details

- 26.0 mm x 10.0 mm modules
- On-board Hirose connector for easy system connectivity
- On-board power regulation for single power rail operation (3.3V)

Regulatory Compliance Details

- FCC compliance (US)
- IC compliance (Canada)
- EU compliance with RE-D
- TELEC compliance (Japan)

Solution Details

- System interfaces to USB 3.1, USB 2.0, and I²C signals
- 60 GHz antenna is built into IC package
- On-board Xtal
- On-board power regulation for single power supply operation (3.3V)
- Hirose connector, H11771TR-ND is required on system for assembly

Applications Support
www.latticesemi.com/support

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