

Lattice Snap 60 GHz Short Range Wireless Module Set

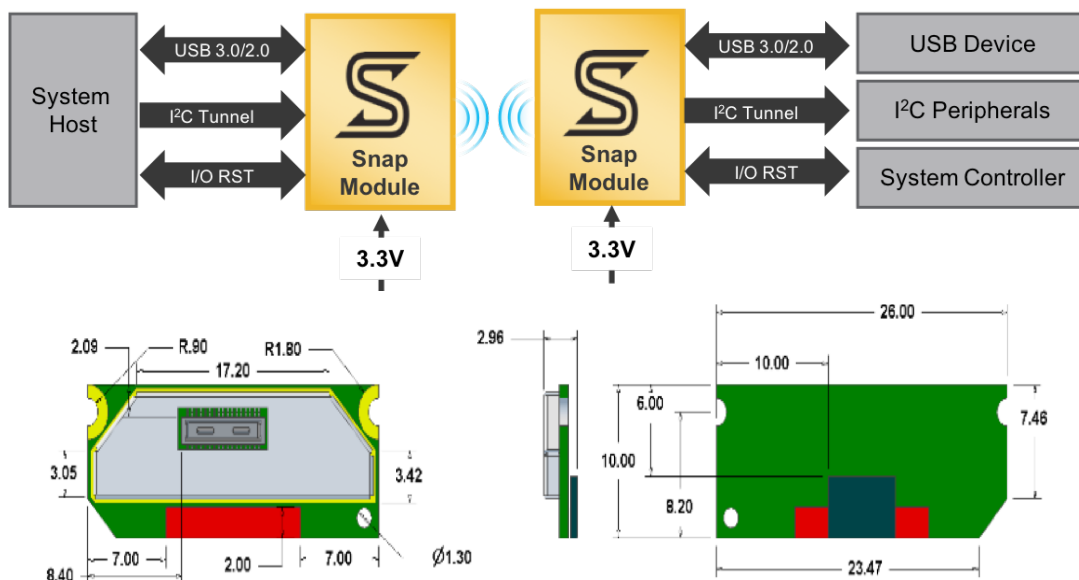
12 Gbps Link for USB 3.1 Connector Replacement

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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