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**Semtech Expands LoRa® Portfolio with New Transceiver Featuring Long Range,  
Low Power Consumption, LoRaWAN® Standard and Global Connectivity**

*New Developer Platforms from Murata and Johanson Technology  
enable smaller form factor, lower development cost and risk and a faster time-to-market*

**CAMARILLO, Calif., March 15, 2023** – [Semtech Corporation](#) (Nasdaq: SMTC), a high-performance semiconductor, IoT systems and Cloud connectivity service provider, today announced the expansion of its market leading LoRa® portfolio with a new transceiver for use in Internet of Things (IoT) end points that provides lower power consumption, global connectivity and long range.

As the IoT continues to expand, LoRa's innovative solutions are continuing to see huge growth in their implementation. LoRa enables data communication over a long range while using very little power. LoRa devices and the LoRaWAN® standard are flexible for everything from long distance rural to indoor use cases in a wide range of industries including smart cities, homes and buildings, communities, agriculture, metering and utilities, healthcare, environment and supply chain and logistics.

The new [LoRa Connect™ LR1121](#) brings the best LoRa transceiver RF performance to date with the multi-band versatility permitting a single, low-power chip to be used anywhere in the world. It is pin compatible with the current LoRa Edge™ devices, allowing module makers such as [Murata](#) to have a single hardware design for a wide range of applications, with global connectivity. Likewise, Integrated Passive Devices such as [Johanson Technology](#) can readily be used alongside the LoRa Connect LR1121 to offer a smaller footprint, reduce time to market and minimize design iterations.

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The highly integrated LoRa Connect LR1121 transceiver provides LoRaWAN connectivity for terrestrial low power wide area networks (LPWAN) operating at 470MHz, 868MHz and 915MHz; it also provides LoRa 2.4GHz and the S-band for direct connection to satellites.

“Semtech’s LoRa Connect is targeting the connectivity challenges faced by the industry today enabling widespread adoption and reinforcing LoRa’s position as the de-facto platform for IoT,” said Robert Comanescu, senior director of the IoT Chips Business at Semtech. “We continue to invest in improving LoRa technology and enriching our product portfolio with multi-band LoRa support and LoRa Cloud™ services that will provide best in class, sustainable, ubiquitous and global IoT connectivity.”

New modules and reference designs, developed in partnership with [Johanson](#) and [Murata](#), are ready at launch and offer a smaller form factor, lower assembly costs and faster time to market.

Murata’s Type 2GT module, currently supporting the LoRa Edge LR1110 and LR1120 products, is also now supporting the LoRa Connect LR1121, offering a turnkey solution for lower cost assembly and faster time to market with a pre-certified LR1121 variant readily available.

"By collaborating with Semtech on this offering, we are leveraging both companies’ leadership and expertise to create the most needed solution in the IoT market which provides multi-band LoRa® and long range - frequency hopping spread spectrum (LR-FHSS) communication over sub-GHz and 2.4GHz ISM bands as well as licensed S-Band for satellites," said Sasaki Akira, general manager of Connectivity Module Marketing, Murata. "The new multi-band module allows designers to develop products with a faster time to market by minimizing BOM size, cost and complexity."

Likewise, Johanson Technology’s IPD is also compatible with the LR1121 and replaces many RF passives, allowing a smaller form factor and lower assembly costs. A reference design is available now on the Semtech website to jumpstart chip down designs.

To learn more about the LoRa Connect platform, please visit:

<https://www.semtech.com/products/wireless-rf/lora-connect/lr1121>

### **About Semtech’s LoRa® Platform**

Semtech’s LoRa chip-to-Cloud platform is a globally adopted long range, low power solution for

Internet of Things (IoT) applications, enabling the rapid development and deployment of long range, ultra-low power and cost efficient IoT networks, gateways, sensors, module products, and IoT services worldwide. Semtech's LoRa technology provides the communication layer for the LoRaWAN® standard, which is maintained by the LoRa Alliance®, an open IoT alliance for Low Power Wide Area Network (LPWAN) applications that has been used to deploy IoT networks in over 173 countries. Semtech is a founding member of the LoRa Alliance and produces the "[The WAN Network Show](#)" podcast to connect massive IoT end users to operators of LoRaWAN networks around the world. With the proliferation of LoRa devices and the LoRaWAN standard, the [LoRa Developer Portal](#) is a technical support platform for IoT innovators to learn, connect, collaborate, and find resources to help accelerate product development efforts and expedite time to market. To learn more about how LoRa enables IoT and creates a more sustainable and smarter planet, visit Semtech's LoRa [site](#).

### **About Semtech**

Semtech Corporation (Nasdaq: SMTC) is a high-performance semiconductor, IoT systems and Cloud connectivity service provider dedicated to delivering high quality technology solutions that enable a smarter, more connected and sustainable planet. Our global teams are dedicated to empowering solution architects and application developers to develop breakthrough products for the infrastructure, industrial and consumer markets. To learn more about Semtech technology, visit us at [Semtech.com](#) or follow us on [LinkedIn](#) or [Twitter](#).

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