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Company name:	Murata Manufacturing Co., Ltd.
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## **Murata Completes Acquisition of Resonant in the U.S.**

Murata Manufacturing Co., Ltd. (hereinafter, “Murata”) hereby announces that its U.S. subsidiary Murata Electronics North America, Inc. (hereinafter, “MENA”) has completed the acquisition of Resonant Inc. (hereinafter, “Resonant”).

MENA commenced a tender offer (hereinafter, the “Tender Offer”) on February 28, 2022, to acquire all of Resonant’s common stock for US\$4.5 per share in cash through PJ Cosmos Acquisition Company, Inc., an acquisition subsidiary newly established as a wholly owned subsidiary (hereinafter, the “Tender Offeror”). The Tender Offer was completed at midnight U.S. Eastern Time (EST) on March 25, 2022.

Upon completion of the Tender Offer, the merger process leaving Resonant as the surviving company was completed between the Tender Offeror and Resonant on March 28, 2022 (EST), and Resonant became a wholly owned subsidiary of MENA. Upon completion of the merger, trading of Resonant’s shares on Nasdaq was suspended and its shares will be delisted.

Please refer to the attached document for the background and aim of this acquisition.

<Murata's Press Release>

Murata Manufacturing Co., Ltd. (hereinafter referred to as "Murata Manufacturing") is pleased to announce that the acquisition of Resonant Inc. (hereinafter referred to as "Resonant"), a leading company in RF filter design, was completed on March 28, 2022 (US time).

Murata Manufacturing has established itself as a global brand for capacitors and communications technology and built up a strong relationship of trust with our customers, and as an Innovator in Electronics, we aspire to be a leader in innovation in the electronics industry. As a result, we have a large market share for multiple electronic components, and in the case of SAW filters for communications, we have a 50% global market share.

In the telecommunications market, which is one of Murata Manufacturing's core business fields, technology standards are being steadily updated to make way for faster communication speeds, multi-device connections, and lower latency. Currently, 5G and next-generation Wi-Fi standards are beginning to be deployed worldwide. In order to use the high-speed communications these standards allow, devices need to accurately receive high-frequency signals, and so there is a growing need for high-performance, wide-bandwidth, high-frequency filters that are capable of removing unwanted signals in nearby frequencies that cause noise, and allow only the necessary signals to pass through with low loss.

Signals in the high-frequency band are set to increase all the more, but Resonant's proprietary XBAR® technology\* achieves high attenuation with low loss and steep filter characteristics, making it possible to suppress signals that existing filters have been forced to accept as noise. XBAR® technology will be extremely important in achieving reliable, high-speed wireless communications for standards such as 5G.

\*Filter technology using piezoelectric monocrystal thin film that can handle high frequencies and has high power resistance

With this acquisition, Murata Manufacturing believes that we can further strengthen our position as a leader in the telecommunications market by combining the filter technology, process technology, and manufacturing capabilities Murata Manufacturing has cultivated in electronic components such as SAW filters and IHP SAW filters with Resonant's XBAR® technology to provide even better high-frequency filters.

Murata Manufacturing President Norio Nakajima stated the following regarding this latest acquisition: "As utilization of the high-frequency spectrum progresses, we expect that many frequency bands will be adjacent to each other, as is the case with frequency bands already in use. To enjoy the benefits of high-speed communication standards, reliable, precision electronic components that meet the required specifications, no matter what communication environment, are essential. We are very pleased to be able to combine the technologies of Resonant with our own, in order to provide even better products to our customers."

For more information on this acquisition, please refer to the timely disclosure below.

[February 15, 2022: Notice Concerning Conclusion of Agreement to Acquire US-based Resonant Inc. and Scheduled Commencement of Tender Offer](#)