Press Release

A Game-Changer in GNSS Low Noise Amplification

Tokyo, Japan, April 23rd, 2024 – Nisshinbo Micro Devices, a pioneering leader in analogue semiconductor technology, is proud to unveil the NT1195, a cutting-edge GNSS (Global Navigation Satellite System) wideband low noise amplifier (LNA) that sets new standards in low current consumption and high performance for multi-band GNSS applications. This latest innovation is specifically designed to meet the increasing demands of wearable and IoT devices.

The NT1195 operates across a frequency range of 1164 MHz to 1610 MHz and offers a compact solution with a high gain of up to 18 dB in the L2/L5/L6 bands and a remarkably low noise figure of just 0.7 dB in the same bands. With an operating current of only 1.9 mA and a versatile supply voltage range from 1.5 V to 3.7 V, this LNA enables prolonged device operation, critical for today's mobile and wearable technology.

This new LNA features a small EPFFP-6-FA package size of just 0.7 x 1.1 x 0.37 mm, making it one of the smallest solutions in its class, and requires only two external components. It also includes a standby function to further reduce power consumption, extending battery life when not in active use.

With the introduction of the NT1195, we are addressing the need for high-efficiency, low-power GNSS applications in a market that continues to demand smaller sizes without compromising performance.

The LNA is designed for a wide range of applications, including smartwatches, health bands, GNSS modules, tracking devices, and drones. It provides robust performance even in the most demanding environments. The product is currently available through our extensive network of distributors and partners, please visit our website for more details or to request samples.

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About Nisshinbo Micro Devices Inc.:

Established in January 2022, Nisshinbo Micro Devices Inc. is a merger of the former companies Ricoh Electronic Devices Co, Ltd., and New Japan Radio Co, Ltd, both members of the Nisshinbo Group.

The history of the two companies goes back to 1959, resulting in more than 60 years of experience in the electronics industry. Today, it is one of the leading global suppliers of advanced analogue products. Its portfolio offers a comprehensive range of ICs for Power Management, Supervisory, Operational Amplifiers, Battery Management, RF, Audio & Video, Optoelectronic devices, Motor drivers to name a few. These

products enable electronics engineers to design advanced applications for consumer, industrial and automotive markets.

The company is headquartered in Tokyo, Japan, and has development, sales, and manufacturing facilities across the country. In addition, it has regional sales and support offices in North America, Europe, and Asia.

For further information, please visit https://www.nisshinbo-microdevices.co.jp/en/.

About Macnica ATD Europe GmbH, (former Macnica GmbH)

Macnica's ATD Europe GmbH, (former Macnica GmbH), was originally established in the UK in 2006, and moved to Germany in July 2008, to increase efficacy of its service for European customers.

By it's acquisition of the Munich based company Scantec Mikroelektronik in 2014 Macnica Europe formed a powerful semiconductor distribution with headquarter in Ingolstadt and offices in Munich, Regensburg, Milton Keynes (UK) and Warsaw offering an attractive and competitive portfolio of highly sophisticated devices.

Macnica provides end to end support from design-in to production through its global service network to its customers, regardless of the final destination of the product shipment to customers' manufacturing locations.

About Macnica ATD Europe S.A.S.

Founded in 1990 as ATD Electronique, Macnica ATD Europe headquarter offers innovative components dedicated to imaging applications for the European market. Its product portfolio includes: image sensors (CCD, CMOS, InGaAs, Thermal etc.), optics, interface circuits, FPGA & IPs, imaging processors, cables and OLED microdisplays.

It also covers development tools and design services enabling fast and efficient realization of new high-performance camera systems for markets such as machine vision, medical, life sciences, surveillance, automotive and others. After the acquisition of the company by Macnica Inc. as of October 1, 2020 the company operates under the name Macnica ATD Europe.

About Macnica, Inc.

Macnica was established in 1972 as a semiconductor distribution company headquartered in Yokohama, Japan, and has over 85 sales offices worldwide in eastern Asia, Europe and the USA. Total number of employees is over 3,900 and its consolidated revenue for fiscal 2021 was approximately US$ 7.6 B.

Macnica is famous for having an excellent engineering team of more than 900 application support engineers, IC designers and software developers with strong focus on providing technical support for its customers including custom design services. Macnica is continuing to extend its presence globally by having successful partners in strategic areas in the electronics market.

More information about Macnica: https://www.macnica.com/global/en/home.html.