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Parade Announces USB-C Linear Redriver Family for Smartphones and Ultra-Mobile Devices

PS5169/PS5170 Feature USB 3.2 Gen 2 and DP 1.4a Signal Redriving with Very Low Power Consumption

San Jose, Calif. – 12 Oct 2021 – Parade Technologies, Ltd. (Taiwan OTC: 4966.TWO), a leading high-speed interface, video display, and touch controller IC supplier, announces the availability of the PS5169 and PS5170 USB-C linear redrivers optimized for smartphones and ultra-mobile devices. The PS51xx family improves signal integrity for USB 3.2 and DisplayPort 1.4a signaling over the USB-C interconnect and consumes very low power. The PS5169 and PS5170 linear redrivers are fully compliant with the USB-IF USB 3.2 specification supporting up to Gen 2×2, or two lanes operating at 10 Gbps signaling rate. For DP Alt Mode support they comply with VESA DP 1.4a with up to 4 lanes at HBR3, or 8.1 Gbps link rate, and comply with VESA DisplayPort Alt Mode 2.0. The PS5170 integrates an AUX switch for SBU signals.

The linear redriver family features very low power consumption and supports a deep sleep mode that consumes only about one micro-watt of power, markedly extending battery life. A single 1.8V power supply greatly eases system design. The devices come in small QFN packages optimized for smartphones and small form factor designs. “The PS51xx linear redriver family enables USB 3.2 high speed data and DisplayPort 1.4a high resolution video over USB-C for smartphones and ultra-mobile devices while consuming very low power,” says Jimmy Chiu, Executive VP of Marketing at Parade Technologies. “Smartphone OEMs can now provide full user experience via the PS51xx.”



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Availability and Pricing

The PS5169 is in production and is available in a 2.7mm x 3.7mm 26-pin QFN package. The PS5170 is sampling and comes in a 3.1mm x 4.4mm 34-pin QFN package. More availability and pricing info please visit email: sales.europe@macnica.com.

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About Parade Technologies

Parade Technologies, Ltd. is a leading supplier of mixed-signal ICs for a variety of increasingly used high-speed and display interface standards used in network and storage systems, computers, automotive, consumer electronics, and display panels. Parade is a fabless semiconductor company founded in 2005 and publicly listed on Taipei Exchange (TPEX) in 2011 (stock code: 4966). Parade's portfolio of signal conditioning and protocol expansion IC products serves the growing demand for high speed data integrity solutions for HDMI, DisplayPort, USB, and PCI Express interface applications.

Parade leverages its close relationships with market leading Tier-1 OEMs to develop ICs that enable competitive system capabilities. Parade is also a key contributor to industry standards development organizations. The company's devices integrate proprietary technologies that offer superior signal integrity as well as improved system integration and power efficiency. As a result of the company's "standards-plus" design philosophy, Parade ICs have been designed into products offered by nearly every leading computer and display vendor worldwide.

For more information, go to <https://www.paradetech.com/>.

About Macnica Europe GmbH

Macnica's European headquarter was originally established in the UK in 2006, and moved to Germany in July 2008, to increase efficacy of its service for European customers.

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By its acquisition of the Munich based company Scantec Mikroelektronik in 2014 Macnica Europe formed a powerful semiconductor distribution with headquarters in Munich and Ingolstadt and numerous sales offices in Europe 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, Inc.

Macnica was established in 1972 as a semiconductor distribution company headquartered in Yokohama, Japan, and has over 84 sales offices worldwide in eastern Asia, Europe and the USA. Total number of employees is over 3,000 and its consolidated revenue for fiscal 2019 was approximately US\$ 5 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.

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