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## Press release

August 4, 2023

PI 11700 RB ak/af

### **Leading Semiconductor Industry Players Join Forces to Accelerate RISC-V**

Establishing a new company to drive RISC-V ecosystem  
and hardware development

Stuttgart – Semiconductor industry players Robert Bosch GmbH, Infineon Technologies AG, Nordic Semiconductor, NXP® Semiconductors, and Qualcomm Technologies, Inc., have come together to jointly invest in a company aimed at advancing the adoption of RISC-V globally by enabling next-generation hardware development.

Formed in Germany, this company will aim to accelerate the commercialization of future products based on the open-source RISC-V architecture. The company will be a single source to enable compatible RISC-V based products, provide reference architectures, and help establish solutions widely used in the industry. Initial application focus will be automotive, but with an eventual expansion to include mobile and IoT.

At its core, RISC-V encourages innovation, allowing any company to develop cutting-edge, customized hardware based on an open-source instruction set. Further adoption of the RISC-V technology will promote even more diversity in the electronics industry – reducing the barriers to entry for smaller and emergent companies and enabling increased scalability for established companies.

The company calls on industry associations, leaders, and governments, to join forces in support of this initiative which will help increase the resilience of the broader semiconductor ecosystem.

The company formation will be subject to regulatory approvals in various jurisdictions.

#### **Robert Bosch GmbH**

“Bosch is convinced that initiatives promoting the RISC-V open specifications will bring the global mobility market a significant step further. The initiative now planned will greatly help to establish a reliable and efficient EU-based semiconductor ecosystem,” said Jens Fabrowsky, Executive Vice President at Bosch and responsible for the semiconductor business.

#### **Infineon Technologies AG**

“As vehicles become software-defined and dependability requirements increase due to electrification and connectivity, for example, as well as through trends like autonomous driving, there is a general need for standardization and ecosystem compatibility across the industry, with CPUs being a key IP. We are proud to support the establishment of trusted RISC-V based automotive products with this initiative. The knowledge and expertise of leading market players will unleash the full potential of RISC-V in the automotive sector,” said Peter Schiefer, Division President of Infineon’s Automotive Division.

#### **Nordic Semiconductor**

“Nordic Semiconductor is a committed and enthusiastic supporter of the RISC-V initiative and stands ready to drive the project forward. Nordic’s IoT solutions represent the leading edge of low power wireless technology and to retain that position it’s critical we maintain continuous access to efficient and powerful embedded microprocessors. An open collaboration with like-minded companies to continually enhance innovative RISC-V microprocessor IP and ensure a robust and reliable supply of the technology is the ideal answer to this challenge,” said Svein-Egil Nielsen, CTO/EVP R&D and Strategy, Nordic Semiconductor.

#### **NXP Semiconductors**

“NXP is proud to be part of a new EU-based joint endeavor to pioneer fully certified RISC-V-based IP and architectures, initially for the automotive industry. The creation of a one-stop-shop ecosystem where customers can select turnkey assets will strengthen the adoption of RISC-V across many European industries,” said Lars Reger, Executive Vice President and Chief Technology Officer at NXP Semiconductors. “We thank the Artificial Intelligence Center Hamburg (ARIC) e.V. for their support of this collaboration.”

## **Qualcomm Technologies, Inc.**

“We are excited to come together with other industry players to drive the expansion of the RISC-V ecosystem through development of next-generation hardware. Qualcomm Technologies has been investing in RISC-V for more than five years and we’ve integrated RISC-V micro-controllers into many of our commercial platforms. We believe RISC-V’s open-source instruction set will increase innovation and has the potential to transform the industry,” Ziad Asghar, Senior Vice President of Product Management, Qualcomm Technologies, Inc.

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*The Bosch Group is a leading global supplier of technology and services. It employs roughly 421,000 associates worldwide (as of December 31, 2022). The company generated sales of 88.2 billion euros in 2022. Its operations are divided into four business sectors: Mobility, Industrial Technology, Consumer Goods, and Energy and Building Technology. As a leading IoT provider, Bosch offers innovative solutions for smart homes, Industry 4.0, and connected mobility. Bosch is pursuing a vision of mobility that is sustainable, safe, and exciting. It uses its expertise in sensor technology, software, and services, as well as its own IoT cloud, to offer its customers connected, cross-domain solutions from a single source. The Bosch Group’s strategic objective is to facilitate connected living with products and solutions that either contain artificial intelligence (AI) or have been developed or manufactured with its help. Bosch improves quality of life worldwide with products and services that are innovative and spark enthusiasm. In short, Bosch creates technology that is “Invented for life.” The Bosch Group comprises Robert Bosch GmbH and its roughly 470 subsidiary and regional companies in over 60 countries. Including sales and service partners, Bosch’s global manufacturing, engineering, and sales network covers nearly every country in the world. With its more than 400 locations worldwide, the Bosch Group has been carbon neutral since the first quarter of 2020. The basis for the company’s future growth is its innovative strength. At 136 locations across the globe, Bosch employs some 85,500 associates in research and development, of which nearly 44,000 are software engineers.*

*The company was set up in Stuttgart in 1886 by Robert Bosch (1861–1942) as “Workshop for Precision Mechanics and Electrical Engineering.” The special ownership structure of Robert Bosch GmbH guarantees the entrepreneurial freedom of the Bosch Group, making it possible for the company to plan over the long term and to undertake significant upfront investments in the safeguarding of its future. Ninety-four percent of the share capital of Robert Bosch GmbH is held by Robert Bosch Stiftung GmbH, a charitable foundation. The remaining shares are held by Robert Bosch GmbH and by a corporation owned by the Bosch family. The majority of voting rights are held by Robert Bosch Industrietreuhand KG, an industrial trust. The entrepreneurial ownership functions are carried out by the trust.*

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