Silicon Photonics International Corporation

Intel® Silicon Photonics combines the manufacturing scale and capability of silicon with the power of light onto a single chip.

Our expertise in array alignment allows us to provide solutions that meet the stringent demands of silicon photonics applications. By leveraging advanced positioning systems and alignment ...

On March 2, 2023, at 13:43, SiFotonics, one of the world"s leading companies in silicon photonics technology, announced today the launch of 800G low-power-consumption silicon photonics solutions ...

In order to complete the transition to the era of large-scale integration, silicon photonics will have to overcome several challenges. Here, the authors outline what these challenges are and ...

Silicon Photonics combines two of the twentieth century"s most important inventions: the silicon integrated circuit and the semiconductor laser. It allows for speedier data transfer over longer ...

An overview of silicon photonics integration, key device structures, and technologies like co-packaged optics shaping next-gen datacenter interconnects.

More than 200 silicon photonics startups are developing products to meet the demands of mobility, quantum computing, agri-food, industrial sensing and healthcare.

The company provides more than 169 silicon-based products, including silicon photodiodes and silicon PIN photodiodes, with strong applications across scientific instrumentation, medical imaging, ...

Silitronics delivers advanced semiconductor packaging, silicon photonics, design, fabrication, and assembly solutions for high-performance applications.

Silicon photonic devices can be made using existing semiconductor fabrication techniques, and because silicon is already used as the substrate for most integrated circuits, it is possible to create hybrid ...

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