Assembly process of silicon photonics modules

We can help you design and assemble prototypes, refine the assembly and packaging processes required for your manufacturing, and provide you with in-house contract manufacturing and support ...

System in Motion Fast and precise alignment plays a crucial role in testing, assembling and packaging of photonic devices. Scott Jordan, Head of Photonics, explains how PI"s motion systems enable ...

Advanced automation of the assembly process steps requires multi-axis, sub-micron-accuracy (passive/active) component alignment, and subsequent bonding using (UV-) epoxy compounds, ...

Below is a description of the manufacturing processes and engineering services that PHIX applies to our packaging and assembly activities. These manufacturing steps and engineering services are also ...

The process of making photonic integrated circuits is incredibly long and complex, and the steps we described in this article are a mere simplification of the entire process.

Currently, he serves as the Principal Packaging Engineer at Marvell Semiconductors (formerly Inphi Corporation). With over 11 years of experience in IC package technology development, Pushkraj ...

Silicon photonics (SiPh) serves as a medium for light transmission. Leveraging advanced semiconductor technologies, SiPh integrates seamlessly with the existing complementary metal oxide ...

As the unit volumes of silicon photonics products increase, dedicated investments in fabs for silicon photonics will take place in parallel with a drive towards electronic-photonic co-integration.

All key technologies are developed in-house. This allows the company to control every step of the process, from design right down to shipment: pre-cision mechanics and electronics as well as ...

Placing optical components on wafers of silicon and other substrates and creating optical connections are recurring process steps in the production and quality assurance of silicon photonic components ...

Testing, assembling, and packaging of photonic devices requires highly efficient systems. Alignment, especially array alignment, is one of the most significant cost factors, as it is essential at several ...

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