

## **Advantest Develops Optical-Electrical PCB Technology for Data Transfer to 160Gbps**

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Advantest Corp has announced its newly-developed optical-electrical printed circuit board technology, which it said to enable up to 160Gbps, high-volume data transfer using optical waveguide technology with per channel transmission rates of 40Gbps.

Based on the company's existing high-speed, high-density circuit boards, the optical-electrical printed circuit board employs Advantest Laboratories' optical waveguide design and mounting technology, as well as its optical fiber laser, high-speed waveform evaluation technology. The endeavor, a joint development with Advanced Photonics Inc, will lead to faster semiconductor test systems with higher packaging densities.

According to Advantest, this represents a six-fold enhancement on the company's current capabilities. It is expected that the new technology will apply to practical applications in three years time.

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