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Gigabit polymer connectors

In supporting Gigabit data transfer over polymer fiber, ELII is introducing two board mount connectors. Both are capable of delivering 1.25 Gbps signal over POF. The Tx and Rx are red RCLED (Resonant Cavity Light Emitting Diode). These two connectors are:

- Gigabit SMI form factor
- Gigabit IDB form factor

Both connectors have the same features with the exception in the latching mechanism. The Gigabit SMI has a friction latch where the IDB has a snap type latching for a more positive retention.



Key features are:

- Visible light source
- -20 to + 70 C
- Single 3.3 V power supply
- Eye safe

Applications:

- Printers
- Medical equipment
- Machine vision systems
- Gigabit Ethernet LAN

These connectors mate with the respective cable assemblies, also provided by ELII, in a distance of 30 m with Graded Index (GI) POF.

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