Protec GmbH
Vertrieb elektronischer Bauteile

REFLEXPHOTONICS
THE Light on Board® Company

COMPONENTS NEWSLETTER NOVEMBER 2018

Paving the way to VHTS
Data in space

Protec GmbH is proud to announce the cooperation with Reflex Photonics in Europe

Founded in 2002, Reflex Photonics is an advanced developer of rugged high-speed optical transceiver modules and parallel embedded optics products for aerospace, defense, avionics, telecom, and data centers.

Reflex addresses the growing market demand for high-speed interconnects in high performance embedded computers. The products enable equipment developers to design smaller, lower cost, and lower powered systems resulting in higher fidelity and faster connectivity.

Reflex Photonics just moved to a new 40,000 ft2 facility that includes 3,500 ft2 of clean rooms and added state-of-the-art manufacturing and R&D equipment. This investment shows Reflex Photonics' commitment to be a reliable supplier and to continue to better serve its customers' demand s for larger volume, on-time delivery, and quality products.

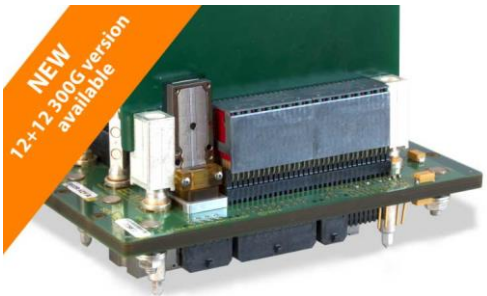
Reflex Photonics offers families of embedded transceivers and transceivers modules for advanced interconnect-based solutions using its unique patent technology. Using its core LightABLE™ technology the following product families are available to meets the different market segments.

Embedded transceivers

Reflex Photonics embedded transceivers are chip-sized components based on 850 nm VCSEL and offering bandwidth up to 300 Gbps for short reach applications (<300 m).

These transceivers can be soldered or socketed to a printed circuit board and are well suited for small, compact systems requiring high I/O density, low power, and small space. Many of these transceivers have been qualified to operate in harsh environments, such as the ones found in space and aerospace and defense applications.

VPX optical interconnects



Reflex Photonics blind mate optics consists of a module connector with an integrated optical transceiver and a backplane connector.
These products require no cables on the module and saves board space due to integration of the transceiver into the module connector. The module connector attaches to the board with an LGA connector which allows the boards to be provisioned with optics as required.