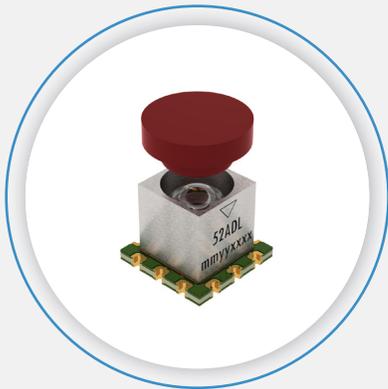


F-LIGHT

High-speed, Contactless Optical
Data Link



F-Light is a high-speed, fiber-free, datacom solution made of field-proven D-Lightsys® range components. The unique design is suitable for Board-to-Board or device-to-device communication set-ups and provides a new interconnect architecture concept to electronic designers.

F-Light is a free-space optical communication product that is dedicated to short-range data transmission. Transmitter and receiver devices can be combined to set half-duplex point-to-point links through air, gas or vacuum.

Specially adapted to Board-to-Board or device-to-device data exchanges over a few centimeters, F-Light links can handle data rate transmissions from 100 Mbps to 5 Gbps over a wide range of protocols (ARINC 804, Gigabit Ethernet, etc). An error-free data stream can be kept despite mis-alignment between transmitter and receiver, making this product specially suitable for docking applications.

F-Light features a board-solderable interface and has a small footprint, making it suitable for use on high-density boards. Designed for tough environments, these components comply with military and avionic standards and can be embedded in ruggedized equipment for demanding applications.

Note

Emitters are a class 1 laser standard, which creates a low risk to damaging the human eye.

