**FEEDTHROUGHS FOR PROXIMITY SENSORS**
Proximity sensors help to increase the safety of an aircraft, e.g., by controlling whether any outside door is closed properly. Since proximity sensors are often placed in difficult environments, their performance must be ensured by protecting them adequately.

**DATACOM**
For weight reduction and increasing security reasons, multicore optical data cables have already been developed for on-board databus solutions.

**FEEDTHROUGHS FOR FUEL TANK SENSORS**
Fuel tank sensors measure the fuel levels directly within the tank. Sensor systems within fuel tanks are exposed to kerosene as well as temperature fluctuations, and thus need to be protected hermetically.

**FEEDTHROUGHS FOR RELAYS**
A relay is an electrical switch that opens and closes under the control of another electrical circuit. In harsh environments, it is absolutely vital that relays are hermetically sealed.

**INERTIAL REFERENCES**
Gyroscopes made of Zerodur®, the zero expansion glass ceramic from SCHOTT, are the elements of the inertial reference for precise position measurement in any aircraft.

**HERMETIC FEEDTHROUGHS FOR PROXIMITY SENSORS**
Proximity sensors help to increase the safety of an aircraft by controlling whether the landing gear is retracted completely. Since proximity sensors are often placed in difficult environments, their performance must be ensured by protecting them adequately.

**MIRONA™**
In front of a light background, Mirona™ appears as a transparent pane of glass. In front of a dark surface, it acts as a mirror, providing a silvery, aesthetic brilliance. As a result, Mirona™ opens up unlimited fantastic design options.

**NIGHT SKY SIMULATION**
Highly flexible fiber optic bundles driven by LED light sources enable each design of starry skies in the cabin and offer an additional atmospheric design element.

**V.I.P. READING LIGHTS**
To support the individual comfort for passengers in the upper classes on board, we provide a wide range of highly sophisticated design-orientated LED Reading Lights.
The combination of LED and side emitting fibers enable cabin designers to use the floor path marking system as an additional design object, rather than a purely functional emergency system.

**Compass Lights**
Side emitting fiber optics are used to create a unique, linear, homogeneous illumination with flameability proven material. The LED light sources enable the application to create light scenarios within the cabin.

**Emergency Lights**
The combination of LED and side emitting fibers enable cabin designers to use the floor path marking system as an additional design object, rather than a purely functional emergency system.

**Daylight Simulation**
Ultra-flat panels driven by LEDs or backlighted opaque surfaces in the ceiling simulate daylight atmosphere in the cabin. Ultra-flat panels and Opalika® surfaces provide diffuse lighting and simulate daylight atmosphere in the cabin.

**Transistor Outlines (TO) for Transceivers**
Transceivers are signal transmitting and data receiving units that are a vital part of any data communication network. TO packages house optical signal transmitting/receiving electronic units that need to be protected from humidity and other negative influences.

**Upwashlights**
Holographic light will be created through the latest generation of LED technology with the capability of endless length and highest homogeneity and intensity.

**LC SmartGlass™**
Simply turning on the power switch changes the LC SmartGlass™ from translucent white into a visually transparent display and offers creative design options, as well as private spheres on demand.

**LightPoints™**
LightPoints™ allow the unique ability to allow LEDs to float and glue inside glass and the power supply elements are invisible. By triggering the single LEDs, an informative aspect can be added to the application.

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**Special Head Up Displays**
Semi-reflecting instrument glass produced and assembled by SCHOTT enables the projection of the instrument data onto the cockpit window. Supporting the look of surroundings and all flight data at the same time, this unique is a key element to touch down under difficult weather conditions.

**Technical Glass, Filters and Components**
Coated technical glass and filters from SCHOTT used as contrast enhancement filters, night vision filters, anti-dew components ensure a perfect view and protection of instruments, enabling precise vision under challenging circumstances. With tactile screens made of SCHOTT technical glass, functionality and design are being combined in the cockpit using a specific glass substrate with a conductive ITO coating.

**Components for Comfort and Safety**
Every passenger flying inside an Airbus or Boeing comes into contact with products from SCHOTT, either directly or indirectly: innovative lighting solutions offer attractive design and pleasant light conditions, optoelectronic components and glass-to-metal connections higher safety.

**Kompomente für Komfort und Sicherheit**