

Think Big – Go Small – Be Flexible – Create Innovations

Lumberg – supplying solutions at the interface to microsystems technology

Problems requiring resolving in practically all branches – of industry as well as in private environments – are today already characterized by micro and nano technology based approaches to solutions. Many applications in the fields of medical, automobile, telecommunications and sensor technology would not be conceivable without the diverse options for solutions that such technologies have to offer.

One recurring problem in this environment – and often one with only customer and application-specific solutions – is the connection between the world of micro/nano technologies and the macroscopic environment as well as, in the final instance, the user. And it does not matter if we are dealing with sensors, actuators, chips or MEMS (micro electro-mechanical systems), a connection must be made to the higher-level control electronics, to the power supply and ultimately to the user as well. Quite often this takes the form of plug-in connections or similar approaches.

This is exactly the point at which Lumberg Connect offers methods of solutions that are based on a rich background of experience. In the field of micro mechanical interfaces, Lumberg has gained many years of experience providing connectors as well as in developing complex technical systems solutions for telecommunication applications.

Smallest contact systems such as those depicted in the image are integrated in audio components of mobile telephones. Similar solutions are used in sensor interfaces, for example in the field of consumer goods.

Lumberg is able to offer all necessary expertise at all levels across the entire process chain. Amongst others these include cutting edge simulation and CAD tools as well as high-precision punching and bending, injection molding and assembly technologies.

The website www.lumberg.com provides detailed information.

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