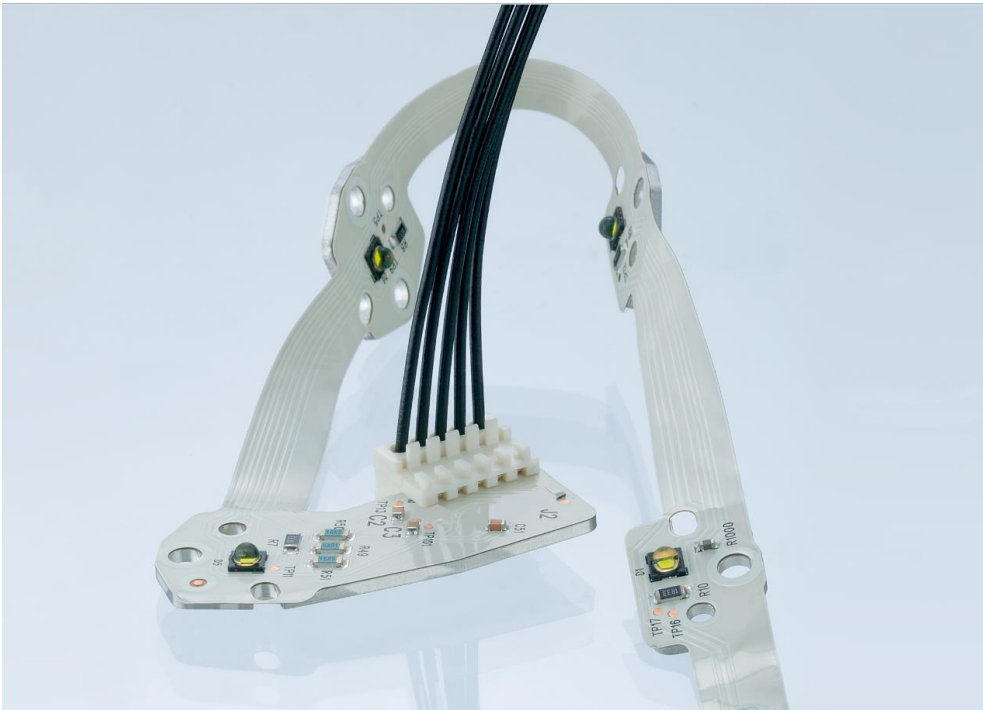


IMS Innovation: RAST 2.5-Connector for Copper and Aluminum PCBs



Picture: LUMBERG IMS Connector

As a pioneer in the field of RAST connectors we have developed a direct connector with three to five poles that secures the safe single-sided mating with an aluminum PCB. Its mating face is oriented towards the versatile 2.5 RAST connectors whose proven record sees it used in millions of vehicles as it can be manufactured to fit operating assembly robots with lines of a diameter between 0.22 and 0.38 mm². With nickel layer and selectively gold-plated contacts the new connectors can mate with copper resp. aluminum PCBs ranging between 1.535 mm and 1.71 mm inclusive of dielectric and copper trace.

Aluminum is used as the conductive material and mates only on one side as a result of the direct connector. This design doubles as a highly space-saving and economical solution which requires an additional lock. Varying connector types are available with different locking options or even supporting frames. For use in temperatures ranging between -40 and +130 degree Celsius and a 50 V AC rate voltage, the new connector demonstrates its versatility and convenience of application for small load currents of up to 4 amperes.