

**PRESS RELEASE**

## **Premiere at Lumberg: RAST 2.5 for 1 mm Printed Circuit Boards**

**Schalksmühle, 01.10.2022.** The market for printed circuit boards just one millimeter thick is growing – and has great potential. 1-mm circuit boards are used, for example, in the fields of microelectronics, medical technology and automotive electronics, here especially in high-performance LED headlights.

The 1-mm PCB is increasingly used where challenges exist in terms of confined installation spaces, desired weight savings or optimization of cooling. It can be a good alternative to the common 1.6 mm PCB, which stores more thermal energy.

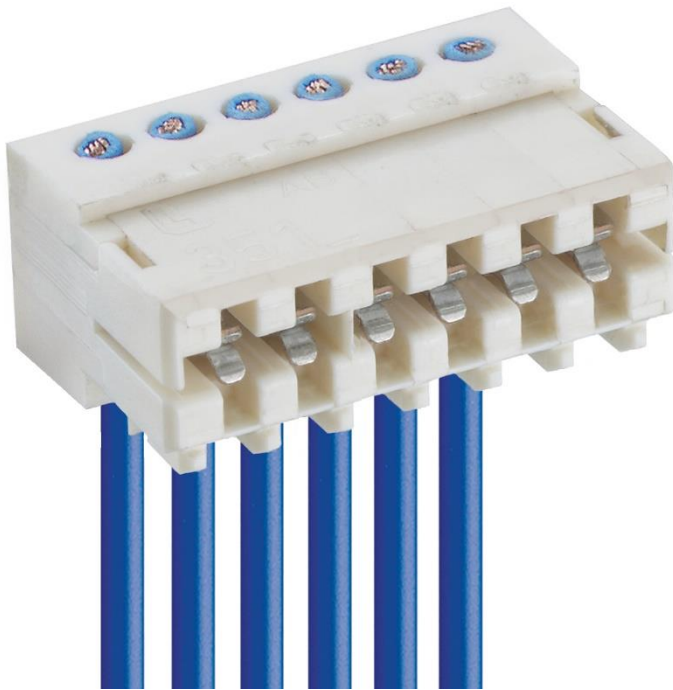
In order to be able to contact these PCBs efficiently, Lumberg now offers the RAST 2.5 direct connector, which has been tried and tested billions of times, for the 1 mm PCB. The new connector with the type designation 3517-5 comes with a proven layout: with a contact pitch of 2.5 mm, with secure locking on the PCB, optionally with or without keying rib and closed sides, for single conductors – and of course with the great advantage of economical and efficient automated harness assembly using insulation displacement technology (IDT).

With the 3- to 9-pole connector, 10- to 20-poles on request, with contact resistance  $\leq 5 \text{ m}\Omega$ , rated currents of 4 A (at  $T_{\text{amb}} 60 \text{ }^\circ\text{C}$ ) or 2 A (at  $T_{\text{amb}} 100 \text{ }^\circ\text{C}$ ) at a rated voltage of 32 V can be realized.

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**As media material to this press release attached you will find:**

**Photo 1 (© Lumberg):** LUMBERG\_RAST-2.5\_3517-5\_6-polig.jpg



**About Lumberg Group:**

The Lumberg Group, headquartered in Schalksmühle, Germany, ranks among the leading providers of connector and interconnect systems. Core areas of expertise include R&D, manufacturing and the worldwide sales of electromechanical and mechatronic components. For 89 years now, the Group's skills have broadened from manufacturing connectors and challenging micro-contact elements, to developing complex mechatronic assemblies, to customer-specific engineering and technical design services for all industries. In-depth application expertise led to strong partnerships in the automotive, home appliance, building technology and communications industries. Family-run in the third generation, the company has a global workforce of around 1,150. Subsidiaries in Europe, America and Asia form a dense sales network. In 2021, the Group's turnover totaled some Euro 157,7 m. Over 20,000 catalog and customized products are proof of the company's efficiency.

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