

PRODUCT NEWS

New RAST 2.5 Connector 3525 – Compact and with Powerful PCB Locking

Schalksmühle, Mai 2025. – With the new connector type **3525**, Lumberg is presenting another solution for secure connection technology in applications with the highest demands on mechanical stability. The **RAST 2.5 connector** for individual conductors impresses with its **compact design** and, above all, its **remarkable mechanical locking** on the PCB.

The outstanding feature: **Lateral locking hooks** secure the connector firmly on the PCB – with an enormous **retaining force of at least 80 N**. This exceptionally strong latching offers maximum security even in the event of strong vibrations or shocks and makes the 3525 the ideal choice for demanding automotive applications. This RAST 2.5 system extension also features a **new side wall option**: the new side wall variant extends the modular RAST 2.5 interface and thus meets current market requirements for flexible and space-saving connector solutions.

Thanks to contacting using **insulation displacement technology** (IDT), individual conductors with a cross-section of 0.22 to 0.38 mm² can be connected easily and efficiently. The optional **coding** and the option of **closed side walls** guarantee a reliable connection without mismatching.

Technical highlights at a glance:

Mechanical locking with ≥ 80 N holding force

Pitch: 2.5/5.0 mm,

Temperature range: -40 °C to +130 °C

Rated current: 4 A (T_U 60 °C)/2 A (T_U 100 °C)

Contact resistance: ≤ 5 mΩ

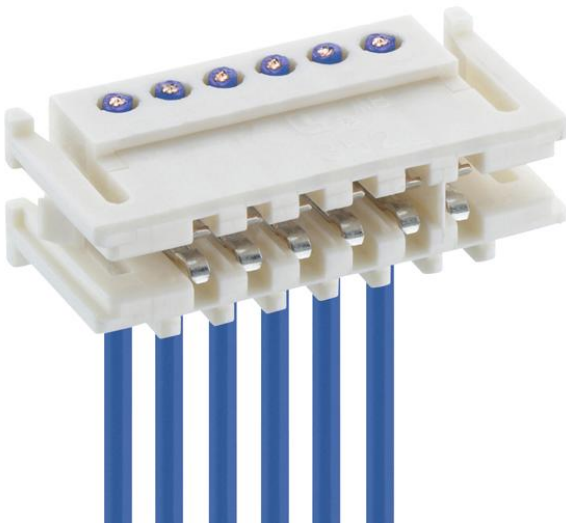
Number of poles: 2 to 12

Packaging: in chain, ideal for automated assembly

The new connector has been tested in accordance with the LV214 automotive standard and is compatible with standard Lumberg harnessing equipment. This makes the 3525 ideal and efficient for use up to high volume production.

More information at: www.lumberg.com/en/products/product/3525

Photo 1 (© Lumberg): LUMBERG_RAST 2.5_Typ 3525.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 more than 90 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 2024, the Group's turnover totaled some Euro 137 m. Over 30,000 catalog and customized products are proof of the company's efficiency.

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