

Additive revolution for the electronics industry

Connectors go into additive series production with Connection material

Vienna, June 29th, 2022. 3D printing company Cubicure's new photopolymers can be used to additively manufacture connectors in industrial batch sizes. The Connection product line was developed specifically for the electronics industry. With safe fire behavior of walls as thin as 1.5 mm and halogen-free formulations, these photopolymers are particularly suitable for the production of connectors.

Additive series production of connectors and electrical components

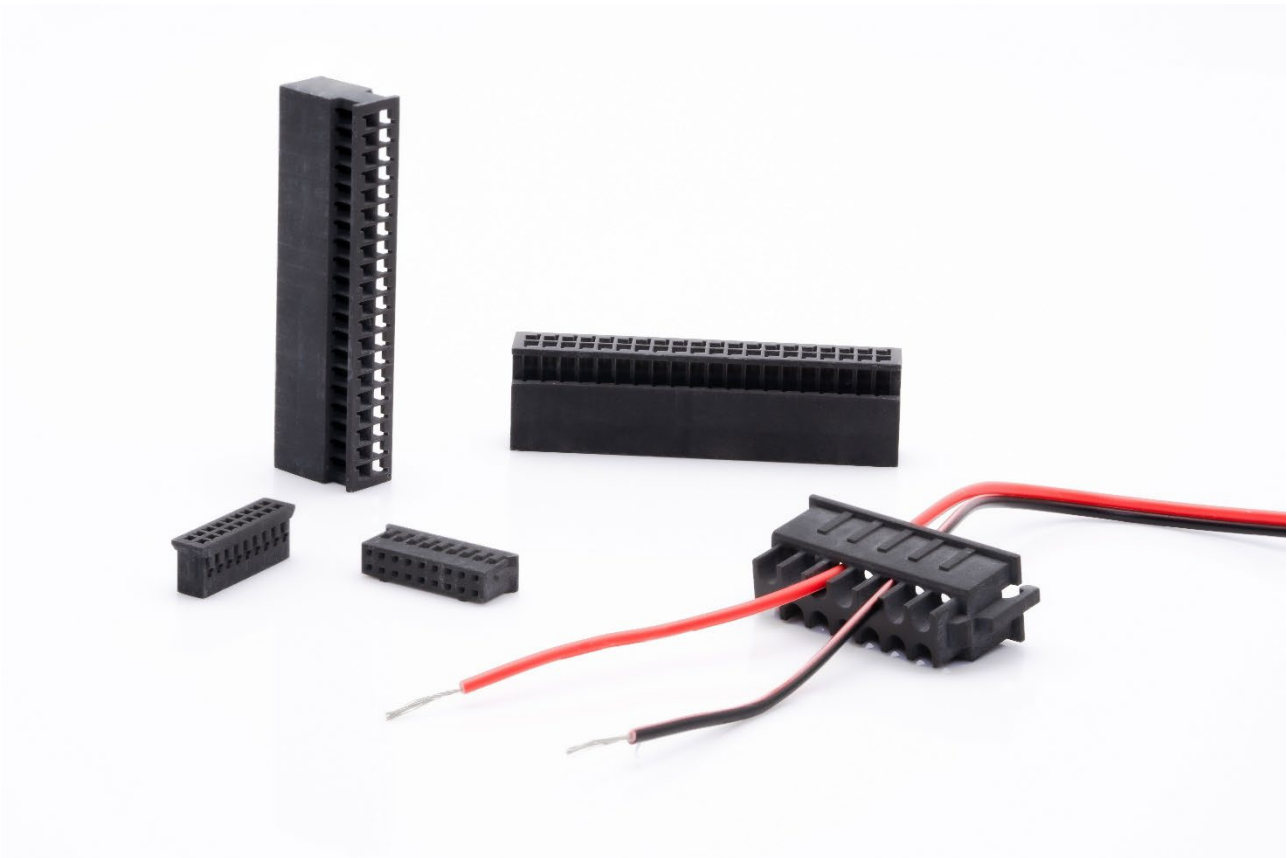
The electronics industry is characterized by a high level of innovation and has been using 3D printing for decades. However, for a long time the use of 3D printing was limited to the additive manufacturing of prototypes and samples. Cubicure's Hot Lithography technology also enables the additive series production of components for industrial use that meet the exacting requirements of the electronics industry. In recent years, Cubicure launched Evolution FR and ThermoBlast, innovative materials suitable for the additive manufacturing of electronic components. The new Connection material portfolio is specifically tailored to the needs of the connector industry.

Connection especially for electronic applications

"We work in close collaboration with companies in the industry to ensure that our materials meet stringent practical requirements and offer long-term potential," explains Dr. Robert Gmeiner, CEO of Cubicure GmbH. Accordingly, Connection photopolymers are flame-resistant and halogen-free. They thus meet the high environmental standards that the electronics industry expects from the next generation of performance polymers.

Components produced with Connection photopolymers have a higher elongation at break than comparable flame-retardant materials: this means that connectors with snap-fit or snap-in hooks can be manufactured additively in industrial batch sizes. The Connection product range also proves its suitability in terms of flame resistance. Components with wall thicknesses as thin as 1.5 mm comply with safe fire behavior corresponding to UL94 V-0. Combined with the Cerion® 3D printing system, Connection opens the door to additive series production for the connector industry.

Press release



With the new Connection photopolymers, connectors go into additive series production.

Image: Sebastian Geier/Cubicure GmbH

Cubicure GmbH develops, produces and distributes industrial 3D printing solutions for polymer parts. With roots in academia and the ambition to help shape the digital future of manufacturing, this Vienna-based company has been setting the course for agile production since 2015. Their Hot Lithography process enables the unprecedented additive manufacturing of resilient precision components. Learn more at cubicure.com/en.

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