



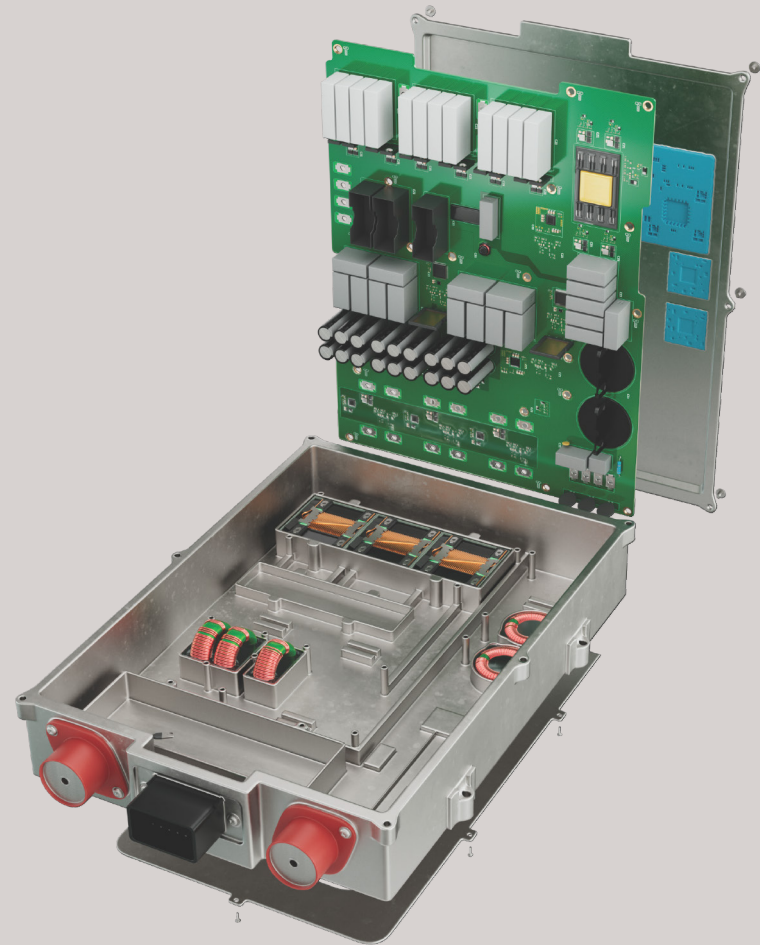
LOCTITE® SI 5643

Two-component, fast curing, low viscosity thermally conductive potting compound for electronic assembly application.



Features & Benefits

- Exceptional and fast flowing behavior
- Pourable, fast, and self-leveling
- Capable of filling small gaps
- Provides excellent heat transfer
- Very soft to protect sensitive components
- Yellow in color, enabling easy automated optical inspection





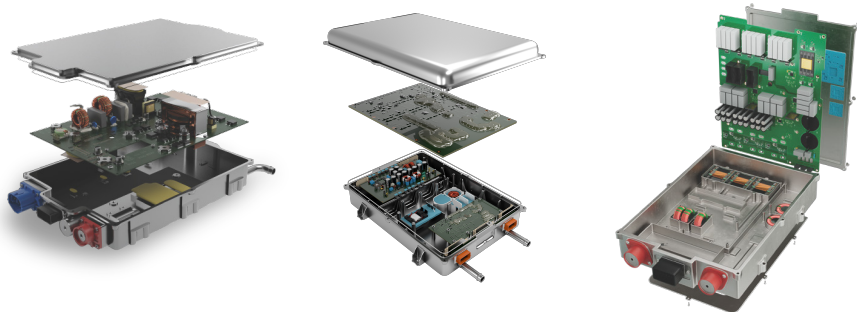
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Typical Applications

Heat dissipation and complete gap filling for high-reliability protection of sensitive electronic components in high-power EV charging applications.

Applicable to all power conversion components including Inverter, DC/DC converter, and On-Board Charger (OBC). Typical naming conventions include HVBox, OneBox, or configurations such as 3-in-1, 7-in-1, 9-in-1, and other Xin1.



Available Configurations*

- Cartridges: On request
- Pail Kits: 20 liter pail
- Drum Kits: 200 liter drum

[CONTACT US TO LEARN MORE](#)

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Technical Data

Properties	Typical Value	Test Methods
Chemistry	2K addition cure	-
Thermal	silicone 1.4 W/m-K	ASTM D 5470-17
Conductivity Density	2.5 g/cm ³	ASTM D792
Hardness, Shore 00	70%	ASTM D 2240-15
Dielectric Strength	> 14 kV/mm	ASTM D 149
Viscosity @ 25°C, 1 s	5,500 mPa·s	ASTM D 7867-13
Pot Life @ 25°C	> 20 min	ASTM D 7867-13

Product Availability*

- Global

*Availability may change due to high demand. Please contact us for the latest information.



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THERMAL POTTING

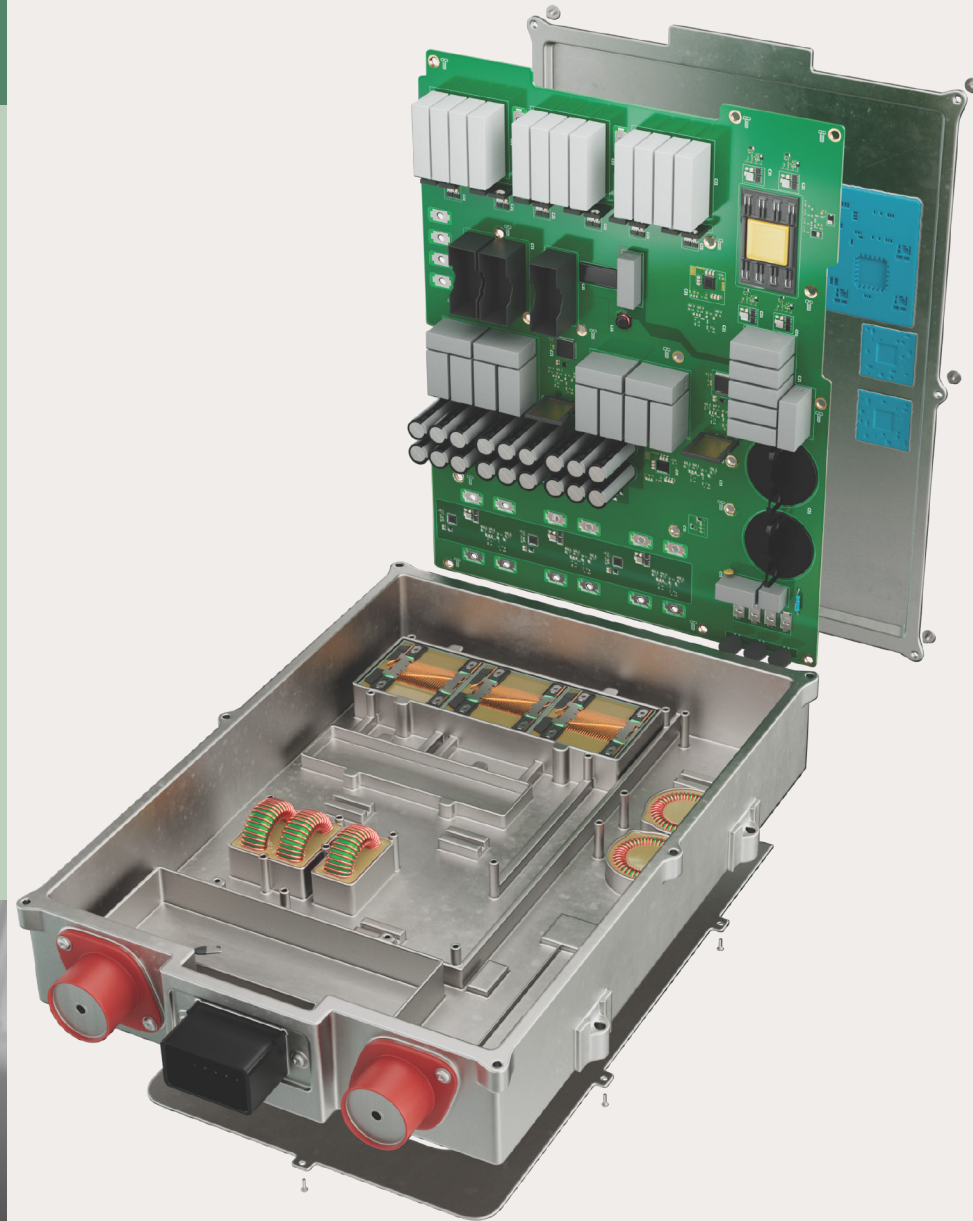
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Sustainability:

- Non-corrosive
- Cures at low temperatures or room temperature
- Made in Europe: REACH- and RoHS-compliant
- Low VOC (Volatile Organic Compounds)



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