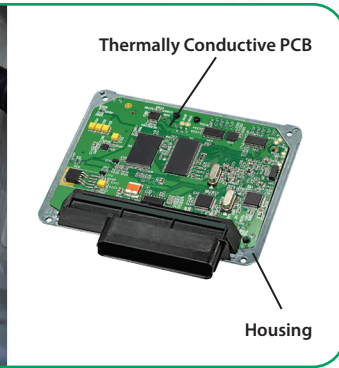


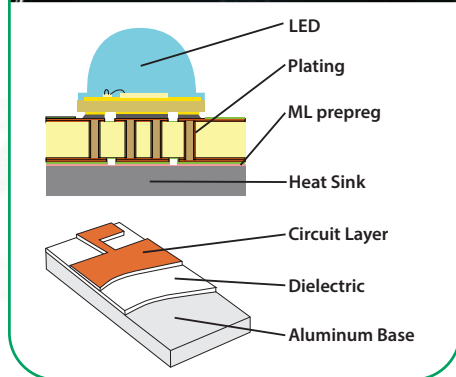
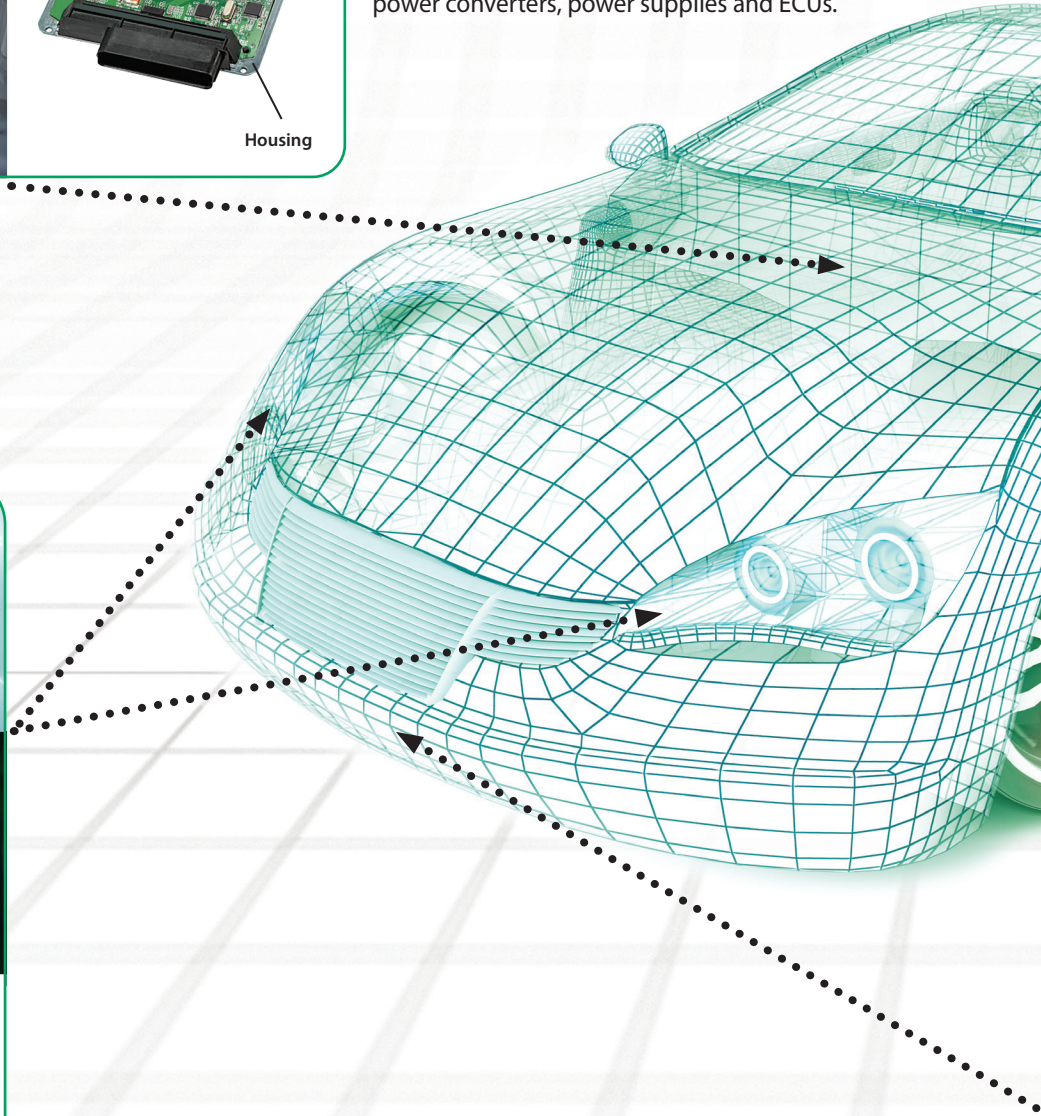
Rogers' High Performance Circuit Materials
Paving the way towards enhanced safety,
comfort & connectivity solutions.



Rogers is the world's technology and market leader in innovative material solutions, providing high performance PCB laminates for automotive applications. We offer a broad portfolio of PCB power electronics materials, RF and millimeter-wave PCB laminates. With worldwide technical support, and global manufacturing locations with certified automotive quality systems, Rogers is helping designers of automotive electronic systems move into the fast lane for Advanced Driver Assistance Systems (ADAS) safety and vehicle-to-vehicle (V2X) communications systems.



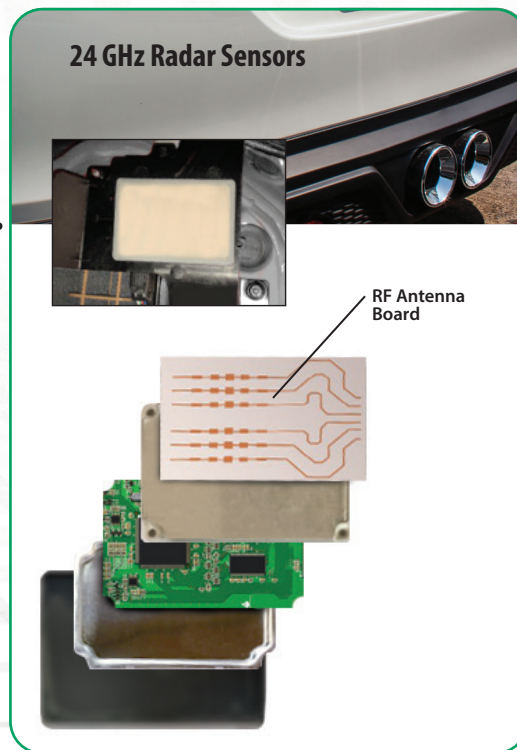
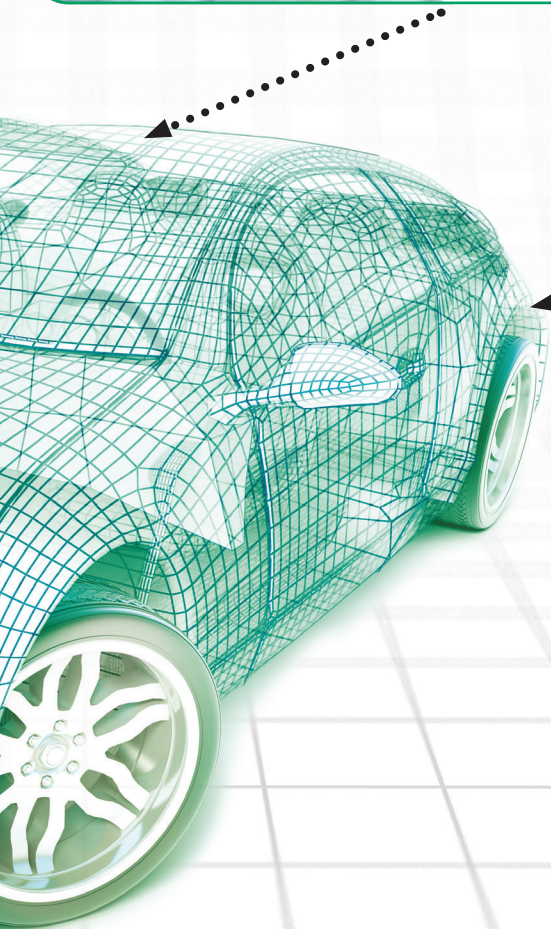
ML Series™ laminates and prepregs are thermally enhanced to conduct and spread heat and eliminate hot spots. Capable of single and multilayer constructions, these materials are used in parts where power IC thermal management is an issue, such as power converters, power supplies and ECUs.



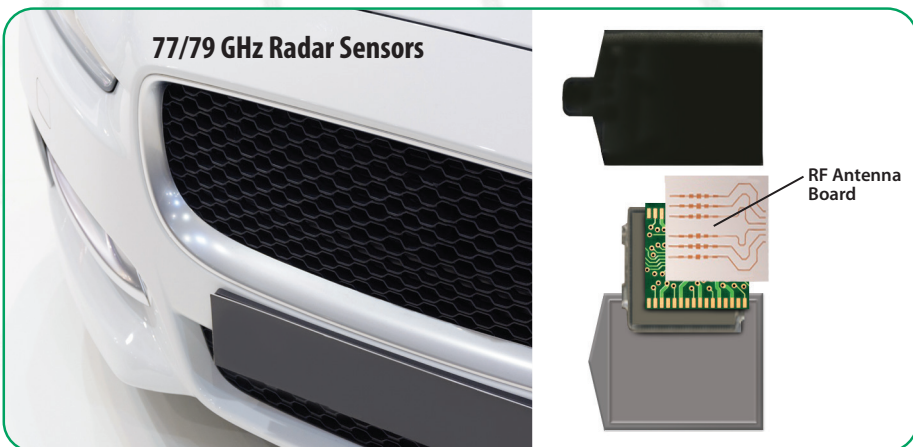
ML Series laminates and prepregs are thermally enhanced to conduct heat. Capable of single and double-layer IMS constructions and multilayer hybrids, the materials feature exceptional thermal conductivity, high Tg of 160C, high MOT capability, and are halogen free.



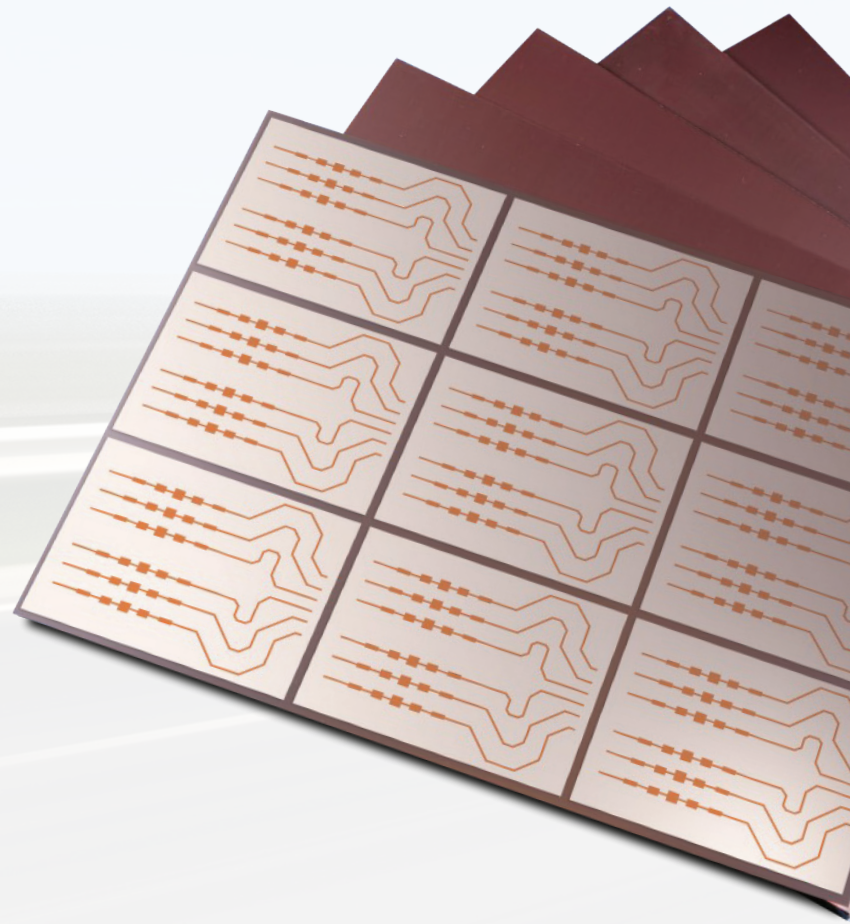
Rogers' wide selection of high frequency circuit materials cover the performance needs for external and concealed vehicle communications antennas, including GNSS, SDAR, cellular and V2X antennas. Kappa™ 438 circuit materials provide a better-performing and more reliable alternative to FR-4 laminates. AD Series™ circuit materials are low-loss PTFE/woven-glass laminates available with dielectric constant from 2.5 to 10.2. Industry leading RO4000® hydrocarbon ceramic laminates and prepregs offer superior high frequency performance and low cost circuit fabrication.



Rogers' RO4835™ laminates provide the superior electrical performance and consistency needed for reliable automotive radar antennas at 24 GHz. With 10X improved oxidation resistance compared to traditional thermoset materials, RO4835 laminates feature stable low-loss performance over time.



Rogers' RO3003™/RO3003G2™ ceramic-filled PTFE laminates are the first choice for 77 GHz (76 to 81 GHz) radar antennas due to very low insertion loss and a low dielectric constant which is stable over time and temperature. RO4830™ thermoset laminates offer a cost-effective option for optimizing performance and total cost.



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