

Flexible Circuit Technologies **AUTOMOTIVE**



DESIGN CHALLENGE

Trends in the Automotive market continue to be driven by electronics. This includes ACES—Autonomous Driving, Connectivity, Electrification of Vehicle (EV), and Shared Mobility. Every automotive manufacturer has an autonomous vehicle (AV) program where there is significant progress related to remote sensing and graphic processing units that are leading to the realization of AV. Further advanced driver-assistance systems (ADAS) are expanding rapidly as manufacturers seek to increase safety with ADAS related solutions including automated emergency braking systems to lane departure warning systems and more.

**THERE IS NO END TO THE ELECTRONIC SOLUTIONS
THAT ARE BEING DEVELOPED!**

Flexible Circuit Technologies (FCT) offers extensive Automotive application experience:

FCT brings significant expertise in specialized custom interconnects given the broad array of automotive applications that we have addressed including:

Tail light, head light accent, mirror heaters, seat heaters, dashboard lighting, light touch sensors, phone charging station, speakers, back up camera, heated camera lens, brake assembly, brake controls, control switches, daytime running lights,

door handle touch sensors, motor controls, rear view mirror camera display, steering column controls, after market lighting products, EV – battery monitoring, large format circuits, and more...

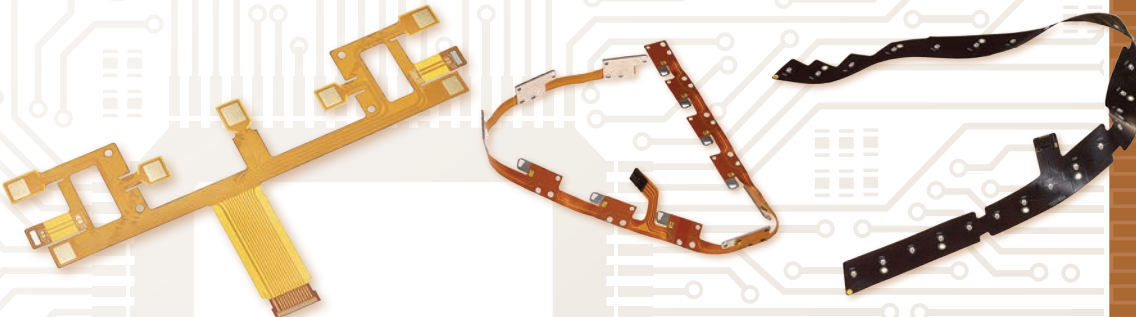
We are well positioned to provide customers with expert guidance, as we help to attain cost-effective solutions that will perform within the given application!

Given the trends, design engineers are increasingly challenged to find ways to pack more electronic functionality into smaller spaces or into challenging form factors.

These trends have led to a significant increase in the need for specialized custom interconnects including :

- FLEXIBLE CIRCUITS
- RIGID FLEX
- FLEXIBLE HEATERS
- ADVANCED CIRCUITS
- LARGE FORMAT CIRCUITS

that are often required to meet the demands of these challenging applications.



FLEXIBLECIRCUIT
Technologies

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IT STARTS WITH SUPERIOR DESIGN SUPPORT

Significant growth in the need for specialized interconnect solutions has led to a shortage of engineers who can offer true expertise in the design of these specialized circuits.

Flexible Circuit Technologies brings the industries top application engineering design talent to its customers. Each of our Sr. Application Engineers offers over 30 years of expertise in flex and rigid flex, and are further backed up by an additional 100 engineers across our FCT Asia based locations.

At FCT, we understand the materials, material properties, material capabilities, what can and cannot be done, and how to work with customers to get to the most cost-effective design that will perform flawlessly within your desired application.

GETTING TO A COST-EFFECTIVE DESIGN IS WHERE CUSTOMERS ATTAIN THEIR GREATEST SAVINGS!

FCT Prototyping and Production Capabilities...

Flexible Circuit Technologies is IATF 16949 certified and has served the automotive industry for more than 20 years. We provide custom:

Flexible Circuits	Rigid-flex	Flexible Heaters
Large Format Circuits	Membrane Switches	Capacitive Touch
Plastic Moldings	Circuit Assemblies	Product Module Builds

Check out our full Capabilities at: FlexibleCircuit.com

FCT offers design support, prototyping services and production including **high mix - low volume** and **low mix - high volume** programs.



FCT Global Automotive Team

FCT's Global Automotive team is committed to staying abreast of industry trends, and the various applications that FCT is addressing within the industry, capturing our successes and coordinating our activities to assure we are furthering our customers success.

If you have need for consultation, design support, a RFQ, or would like to explore further into how we may be able to support your program... feel free to contact your FCT representative or any of our Global Automotive Team Members.

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We welcome the opportunity of serving you!



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