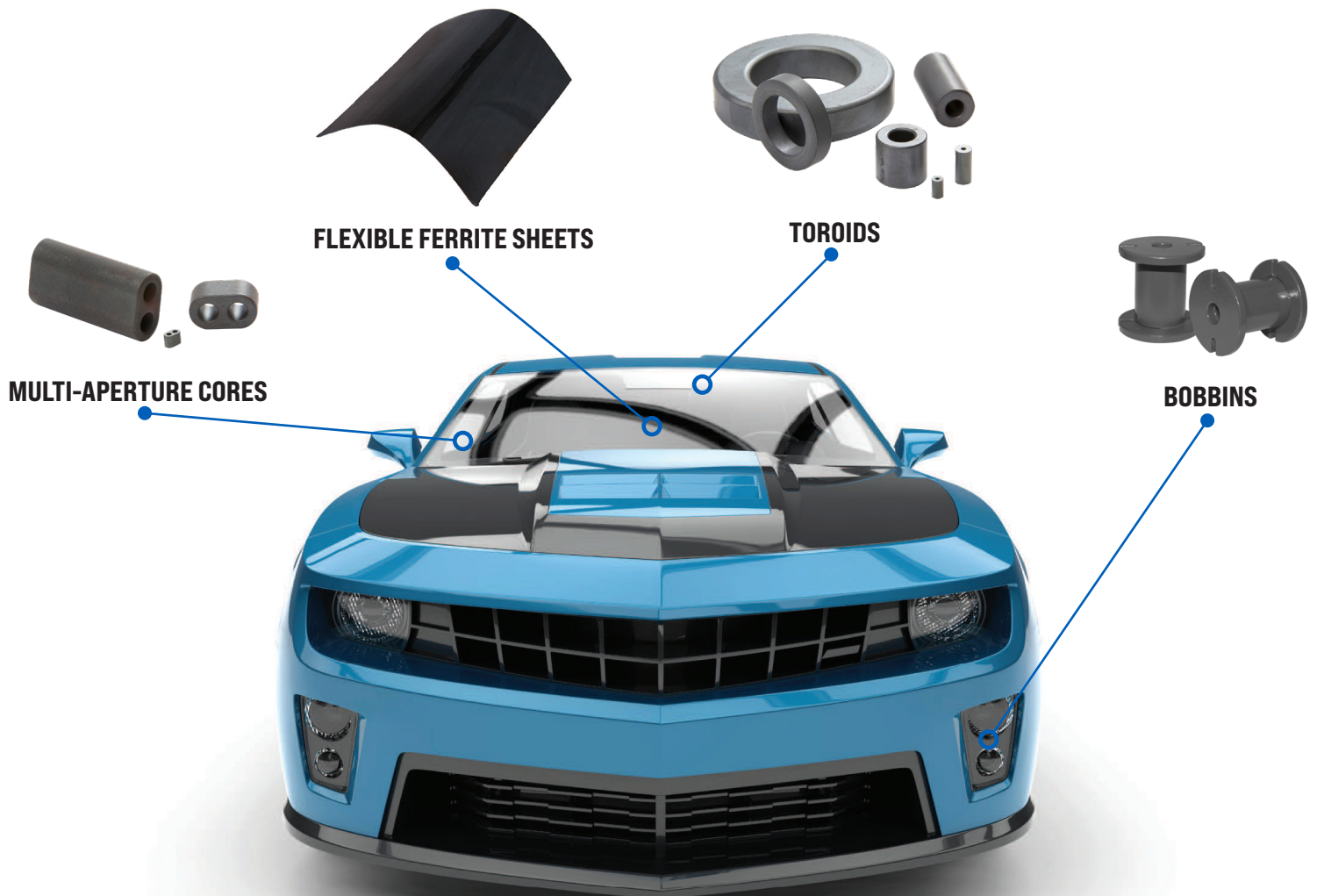


# AUTOMOTIVE SOLUTIONS

Electronics are revolutionizing the automotive industry as the Internet of Things (IoT), mobile connectivity and autonomous driving become more prominent in vehicles. With this adoption of technology comes an increase in electromagnetic compliance (EMC), power and signal integrity issues.

With our state-of-the-art machine shop and decades of manufacturing experience, we will help **DESIGN** your custom component, **DEVELOP** a robust process with our strong engineering team, and **DELIVER** a high-volume, cost-effective solution.

For over 60 years, Fair-Rite Products continues to be **Your Signal Solution®**. As an ISO9001 and ISO/TS16949 registered company, we supply high-quality components at competitive prices – allowing our customers to design a cost optimized solution without sacrificing quality or performance.





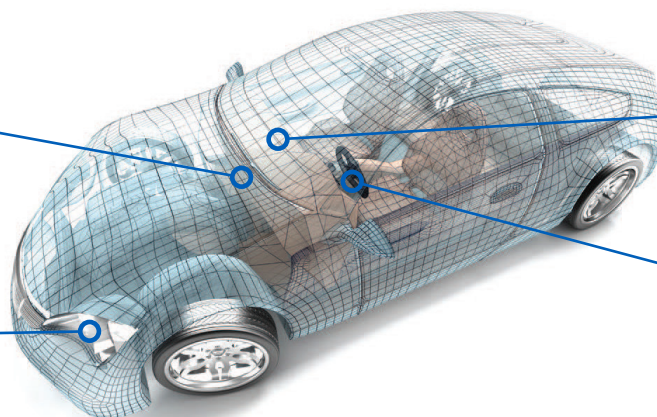
# FAIR-RITE AUTOMOTIVE SOLUTIONS

**POWERTRAIN**

**INFOTAINMENT/CONVENIENCE**

**LIGHTING**

**SAFETY**



## LIGHTING

MATERIAL	SHAPE	FUNCTION	APPLICATION	CAR
77, 78	Bobbins	Power	Inductor for LED Driver	LED Daylight, Headlight, Signaling
75, 78, 95	E, PQ, EFD, ER, EQ, RM, Planar	Power	Lamp Control Unit, Transformer	HID Headlight

## POWERTRAIN

MATERIAL	SHAPE	FUNCTION	APPLICATION	CAR
78, 79	PQ, RM, E	Power	DC/DC Converter	Fuel Injector
78	Bobbins	Power	Power Inductor	
44, 52	SM Common Mode Bead	Suppression	EMC, Chokes	Battery Control Unit
44, 52, 77, 78	Rod	Suppression	Chokes	
25 Series	SM Chip Beads	Suppression	Data Line Filter	
31, 43, 52, 75	Toroids	Suppression	Choke	
44, 52, 61	Connector Plates	Suppression	Data & Power Line Filter	ECU
31, 75	Bus Bar Common Mode Core	Suppression	EMC Choke	Inverter Filter

## SAFETY

MATERIAL	SHAPE	FUNCTION	APPLICATION	CAR
78,95	Bobbins, Cup & Track	Power	Power Inductor	ABS, Airbag, ECM
61, 75, 78, 95	E, EFD, ER, EQ, RM, Planar	Power	DC/DC Converter, Transformers	ABS, Suspension Control Unit
44, 51, 73	Beads, Multi-Aperture	Suppression	Filtered Connector	Airbag
43, 75, 78	Toroid	Suppression	EMC Choke	Airbag Control Unit, ABS
61, 75, 78	Multi-Aperture Core & Toroid	Suppression	Pulse & Matching Transformers	Cruise Control
78	Flat Rod	Sensor	Sensor	TPMS

## INFOTAINMENT/CONVENIENCE

MATERIAL	SHAPE	FUNCTION	APPLICATION	CAR
75, 78, 95	E, EFD, ETD, ER, EQ, RM, Planar	Power	DC/DC Converter, Transformers	Climate Control, Ventilation, Heated Seats/Steering Wheel, Wiper Control Systems, Seat/Window/Door Motor Drives, Car Alarm, Navigation, Dashboard Display, Parking Aid
75, 78	Toroid	Suppression	EMC Choke	Cruise Control, Communication Systems
78, 44, 38 Series	Rigid Plates, Flexible Ferrite Sheets	Suppression	Shielding	Wireless Charging
78	Rods	Sensor	Antenna	Keyless Entry