

Richardson RFPD specializes in design support and component selection for power conversion and energy storage applications. Our focus is assisting our customers in developing a design that performs with the highest efficiency, highest power density and highest reliability. Choose from a broad line of active, passive and thermal products from market-leading suppliers for your power converter/inverter designs. Learn how we can help you reduce development cost and time-to-market through our unsurpassed design, assembly and logistics resources.

Component Selection

- Aluminum electrolytic, power film and high frequency ceramic capacitors
- Current sensors
- Diodes
- EMI/RFI filters
- Gallium Nitride (GaN) Power Transistors
- Gate drivers
- Heatsinks
- IGBTs
- Integrated power-converter modules
- Magnetics
- MOSFETs
- Power resistors
- Power supplies – AC/DC, DC/DC
- Silicon carbide (SiC) discretes and modules
- Ultra/Supercapacitors

Internet of Things (IoT)

Richardson RFPD can tailor the right end-to-end solution for our customers' IoT or M2M applications, starting with modules, gateways and components for applications such as – Cellular, ISM Proprietary, Bluetooth, Wi-Fi and GNSS.

Design Support

Our application engineers can review your component needs and make recommendations to meet your performance and cost requirements.

Turnkey Assemblies

Our strong and diversified alliance partner network has the expertise to provide a broad range of assembly capabilities, ranging from small subassemblies to complete subsystems.

Providing

- Global Distribution with Local Presence
- Design Support from Prototype to Production
- Innovative Technologies – including GaN and SiC - from Market-Leading Suppliers
- Evaluation platforms and reference designs to speed time-to-market

Visit our GaN & SiC for Power Electronics Tech Hub - gan-sic-power.richardsonrfpd.com

Active, Passive and Thermal Components; Integrated Solutions Design and Product Selection Support for Your Power Applications

DISCRETE DEVICES & POWER MODULES ABB**** Microchip Powerex Semikron GaN Systems Mitsubishi* Vincotech Wolfspeed	GATE DRIVERS Analog Devices AgileSwitch pSemi Power Integrations Tamura Wolfspeed	CAPACITORS AVX Cornell Dubilier Illinois Capacitor Kemet Kendell TDK Epcos United Chemi-con	HEAT SINKS Aavid Advanced Thermal Solutions Priatherm Wakefield-Vette Wieland Microcool
RESISTORS Ohmite	MAGNETICS Eaton Payton Planar**	CURRENT SENSORS Tamura	CONVERTER MODULES Flex Power*** Recom Wall Industries
SUPERCAPACITORS AVX Eaton Illinois Capacitor LICAP Maxwell	POWER STAGE ASSEMBLIES	EMI/RFI FILTERS Astrodyne	

North America only | **United States only | ***Europe only | ****Global, excluding China, Taiwan & Russia

POWER CONVERSION & energy storage solutions

INNOVATIVE TECHNOLOGIES FOR IMPROVED EFFICIENCY, POWER DENSITY AND RELIABILITY



POWER SEMICONDUCTORS	Silicon Carbide Diodes	Rectifiers/Thyristors	IGBTs	MOSFETs	Silicon Carbide MOSFETs	Silicon Carbide/Silicon Hybrid	GaN Power Transistors
ABB*	—	D & M	M	—	—	—	—
Electronic Devices, Inc.	—	D & M	—	—	—	—	—
GaN Systems	—	—	—	—	—	—	D
Microsemi (a Microchip company)	D & M	D & M	D & M	D & M	D & M	D & M	—
Mitsubishi Electric**	—	—	D & M	M	M	M	—
Powerex	—	D & M	—	—	—	—	—
Semikron	—	D & M	M	M	—	—	—
TT Electronics	—	—	M	M	—	—	—
Vincotech	—	M	M	M	M	M	—
Wolfspeed (a CREE Company)	D	—	—	—	D & M	—	—

D = Discrete, M = Module

THERMAL MANAGEMENT	Board Level	Bonded Fin	Extruded	Liquid Cold Plate	Heat Pipes	Custom	Thermal Accessories [‡]
Aavid	—	●	●	●	—	●	—
Advanced Thermal Solutions (ATS)	●	●	●	●	●	●	—
Priatherm	●	●	●	●	—	●	—
Wakefield-Vette	●	●	●	●	●	●	●
Wieland Microcool	—	●	●	●	—	●	—

‡ Thermal Accessories include precision clamps, thermal interface material and wedgelocks.

POWER CAPACITORS	Power Film	Aluminum Electrolytic	AC & DC Oil-Filled	Discretes (X & Y Capacitors)	Mica	High Frequency Ceramic	Ultra/Supercapacitors
AVX	●	—	●	—	—	—	●
CAPCOM (formerly Genteq)	—	●	●	—	—	—	—
Cornell Dubilier (CDE)	●	●	●	●	●	—	—
Eaton	—	—	—	—	—	—	●
Europtonic	●	—	●	●	—	—	—
General Electric (GE)***	—	—	●	—	—	—	—
Illinois Capacitor	●	●	—	●	—	—	●
Kemet	●	●	●	●	—	●	●
Kendeil	●	●	—	—	—	—	—
LICAP	—	—	—	—	—	—	●
Maxwell	—	—	—	—	—	—	●
TDK-Epcos	—	—	—	—	—	●	—
United Chemi-Con	—	●	—	—	—	—	—

POWER RESISTORS AND CURRENT SENSORS	Axial Lead	Heat Sinkable	Surface Mount	Tubular	Open Loop Current Sensors	Closed Loop Current Sensors	Flux-Gate Current Sensors
Ohmite	●	●	●	●	—	—	—
Tamura	—	—	—	—	●	●	●

GATE DRIVERS	GaN Gate Drivers	SiC MOSFET Gate Drivers	IGBT Gate Drivers	Custom Gate Drivers
AgileSwitch	—	M	M	M
Analog Devices, Inc. (ADI)	IC	IC	IC	—
pSemi	IC	—	—	—
Power Integrations	—	M/IC	M/IC	M
Powerex	—	—	M	—
Tamura	—	M	M	—
Wolfspeed (a CREE Company)	—	M	—	—

M = Module, IC = Integrated Circuit

POWER SUPPLIES AND CONVERTERS	AC - DC	DC - DC	EMI/RFI FILTER PRODUCTS	AC Filter Modules	DC Filter Modules
Flex Power****	—	●	Astrodyne TDI	●	●
RECOM Power	●	●			
Wall Industries	●	●			

MAGNETICS	Inductors	Transformers	Planar Inductors	Planar Transformers
Eaton	●	●	—	—
Payton Planar*****	—	—	●	●

NOTE: All of our supplier agreements are global except:

*ABB: excludes China, Taiwan & Russia **Mitsubishi Electric: Americas only ***General Electric (GE): United States only ****Flex Power: EMEA only *****Payton Planar: United States only