



ACTIVE COMPONENTS

MACOM

macom.com

RF/Microwave - power, diodes, amplifiers, control products, communication processors, mixers, frequency conversion & generation, SDI & HDcctv devices.

Optoelectronics - modules, switches, drivers, lasers. **Hi-Rel** - diodes, transistors, regulators.

Technology - Si, GaAs, GaN InP, SiGe, HMIC.

PHIHONG

phihong.com

AC adaptors & chargers, open frame & network power supplies, PoE midspans/splitters/supplies, LED drivers, OEM power solutions

MITSUBISHI/POWEREX

mitsubishielectric.com/semiconductors_pwr.com

Modules - IGBT, IPM, SIC, MOSFET & Diode; Rectifier/Thyristors, SCRs, Bridges, Power Assemblies

PASSIVE COMPONENTS

EATON BUSSMANN

cooperindustries.com

Bussmann - Fuses/Resettables. **PowerStor** - Super Capacitors. **PolySurg** - ESD Protection, MLV, TVS. **Coiltronics** - Std/Custom Inductors, & Transformers. **Magnum** -Terminal Blocks

KOA

koaspeer.com

Resistors - current sense, power, precision, wirewound, networks; **Thermal Protection** - chip thermistors & sensors, Ferrite Beads; **Inductors** - chip, thin film

LITE-ON

us.liteon.com

LED - SMT & thru-hole, automotive, flash, lighting, displays; **Optical Sensors** (light, proximity, UV) **IR sensors & interrupters, Photo-coupler, IrDA, UV LED**

JOHANSON

johansondielectrics.com_johansontechnology.com

Capacitors: Ceramic SMT & Leaded HV & High Temp, AC Safety, Planar, Tanceram, Cap Arrays, X2Y, Switchmode. **High-Freq Ceramic:** Multi & Single Layer Caps, RF Inductors, Chip - Antennas, Baluns, Filters, Couplers & Duplexers.

UNITED CHEMI-CON

chemi-con.com

Capacitors: Electrolytic, Polymer, Hybrd, MLCC, Film, & Varistors (MOV)

ELECTROMECHANICAL

ZF ELECTRONICS/STEUER

switches-sensors.zf.com

Limit & Rocker Switches, Push-Button, Sensors (Proximity/Speed/Angle), Energy Harvesting, Wireless switches, sensors, foot-switches, controls, command devices, receiver/transmitter.

DONTECH

dontechnic.com

Display & Optical Filters, Optical bonding, Coatings (Anitreflection & antiglare), Heaters, & EMI/RFI

EMERGING DISPLAY TECHNOLOGIES

edtc.com

Displays - TFT, CSTN, STN (Graphic & Char.), Cap Touch, Integrated and custom display solutions.

FUJITSU

fujitsu.com

Relays - signal/power/high-freq/auto/SSR, Thermal Printers, Touch Screens - Resistive, Connectors, Wireless Modules

TECH-ETCH

tech-etch.com

EMI Shielding: Gaskets, Elastomers, Filters, Rings

Flexible Circuits: Single & Multi-Layer, High Reliability, SMT Assembly, Value-Add

Photoetched Parts: Light gauge metal (> 0.0005"), precision etching, forming

THERMODISC

thermodisc.com_fusite.com

Standard & Custom Bimetal Thermostats, Thermal Switches, Thermal Fuses, Sensors - power, humidity, wireless. **Fusite** - Glass-to-metal sealing - feedthroughs, connectors, hermetic pkg.

INTERCONNECT

WEIDMULLER

weidmuller.com

Interconnect: Terminal Blocks, Heavy Duty, Power Bus, Ind. Ethernet, Sensor/Actuator Interface, Marshalling Cable Solutions, OMNIMATE - Signal, Power, Housings. **DIN Modules:** power supplies, UPS systems, Industrial Ethernet, Relays, PLC, surge protection, **Enclosures:** Stainless & Mild Steel, Plastic, Aluminum & accessoreis. **Customize Solitions/Assemblies. Tools. Marking Systems:** printer, software, markers.

CONNECT-AIR

connect-air.com

Custom overmolded cables, Data Cables, Electrical/Electronic cables

MILL-MAX MFG. CORP

mill-max.com

Precision-Machined Pins, Receptacles, IC sockets, Spring-Loaded Contacts & Headers, Application Specific PCB Interconnects.

TIMES MICROWAVE

timesmicrowave.com

High-performance coax cable, cable assemblies, coax connectors, test cables, coax lightning protection, custom assemblies

WASHINGTON OFFICE ~ 1110 8th Street ~ Kirkland, WA 98033 ~ (425) 893-8400 ~ FAX (425) 893-8500 ~ www.halbar.com
OREGON OFFICE ~ 8196 SW Hall Blvd, Ste 115, Beaverton, OR 97008 ~ (503) 624-5741 ~ FAX (503) 684-1803



HALBAR RTS

Sales and Engineering
Representatives

I N C O R P O R A T E D

Factory Authorized Distributors

	ZF Elec.	Eaton Fuses	Eaton Coiltronics	EDT	Fujitsu	KOA	Macom	Milli-Max	Philhong	Powerex	UCC	Johanson	Life-On	Weidmuller	Times Microwave
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A.E. Petsche aepetsche.com.com																
Allied Electronics alliedelec.com																
Arrow arrow.com																
Avnet avnet.com																
Avnet USI * avnetusi.com																
Bisco Industries biscoind.com																
Digi-Key digikey.com																
ElectroSonic e-sonic.com																
Future / FAI futureelectronics.com																
Fuses Unlimited fusesunlimited.com																
Heilind Electronics heilind.com																
Jaco Electronics jacoelectronics.com																
Master Distributors masterdistributors.com																
Micross (DIE) ** www.micross.com																
Mouser mouser.com																
Newark element14 newark.com																
Powell Electronics powell.com																
Richardson - RFPD rell.com																
Sager sager.com																
Simcona simcona.com																
TTI* ttiinc.com																
Utech utech.ca																
Walker walkercomponent.com																
Wesgarde wesgarde.com																
WPG-Americas wpgamericas.com																

*Macom Hi-Rel only

** DIE Only