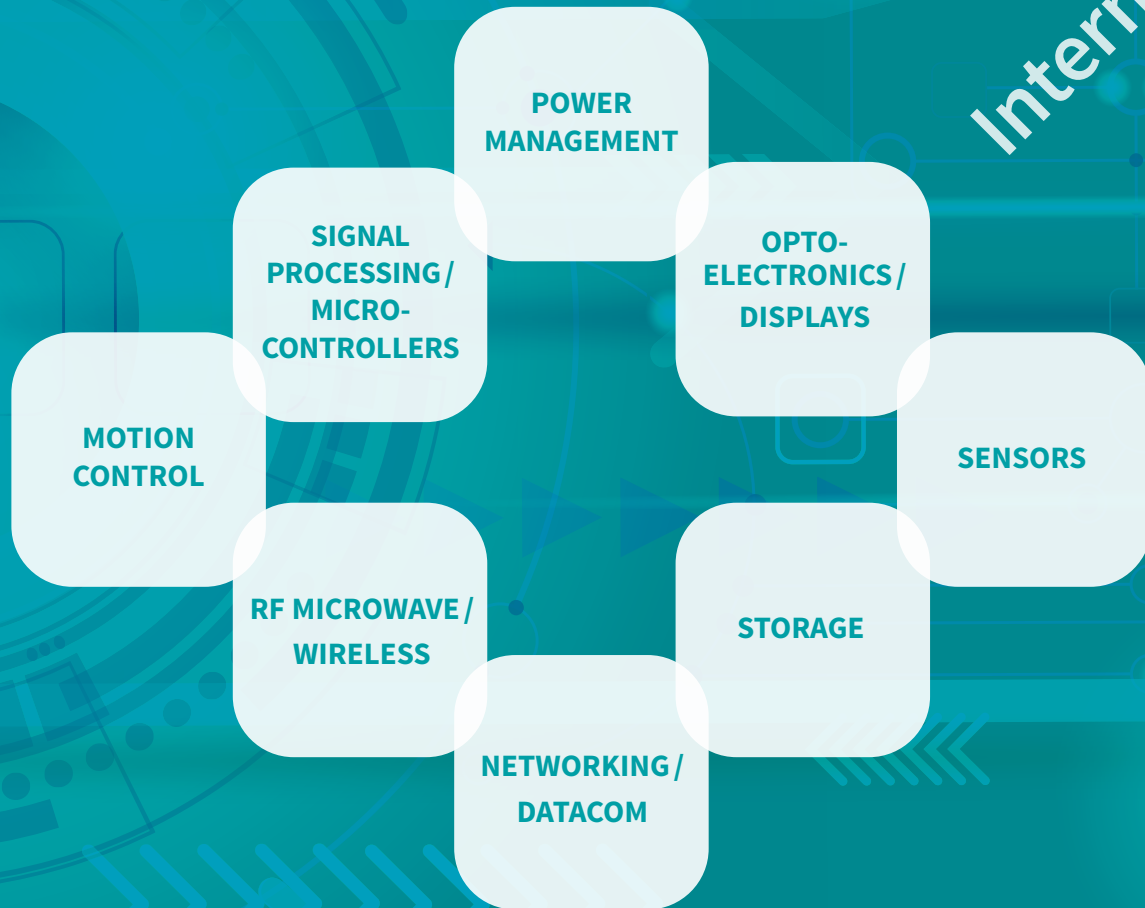
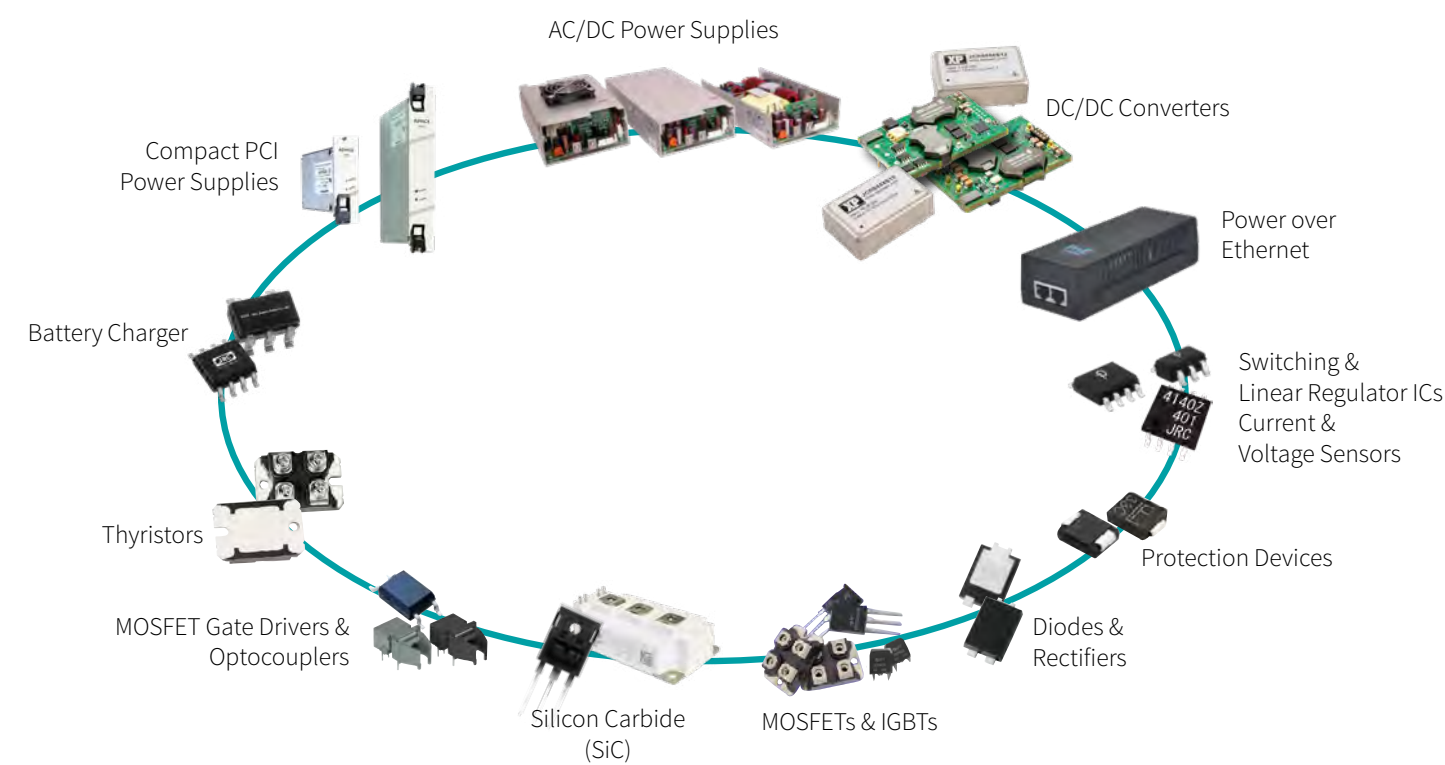


# LINECARD 11/22

International



POWER MANAGEMENT ACTIVE



Our Partners:

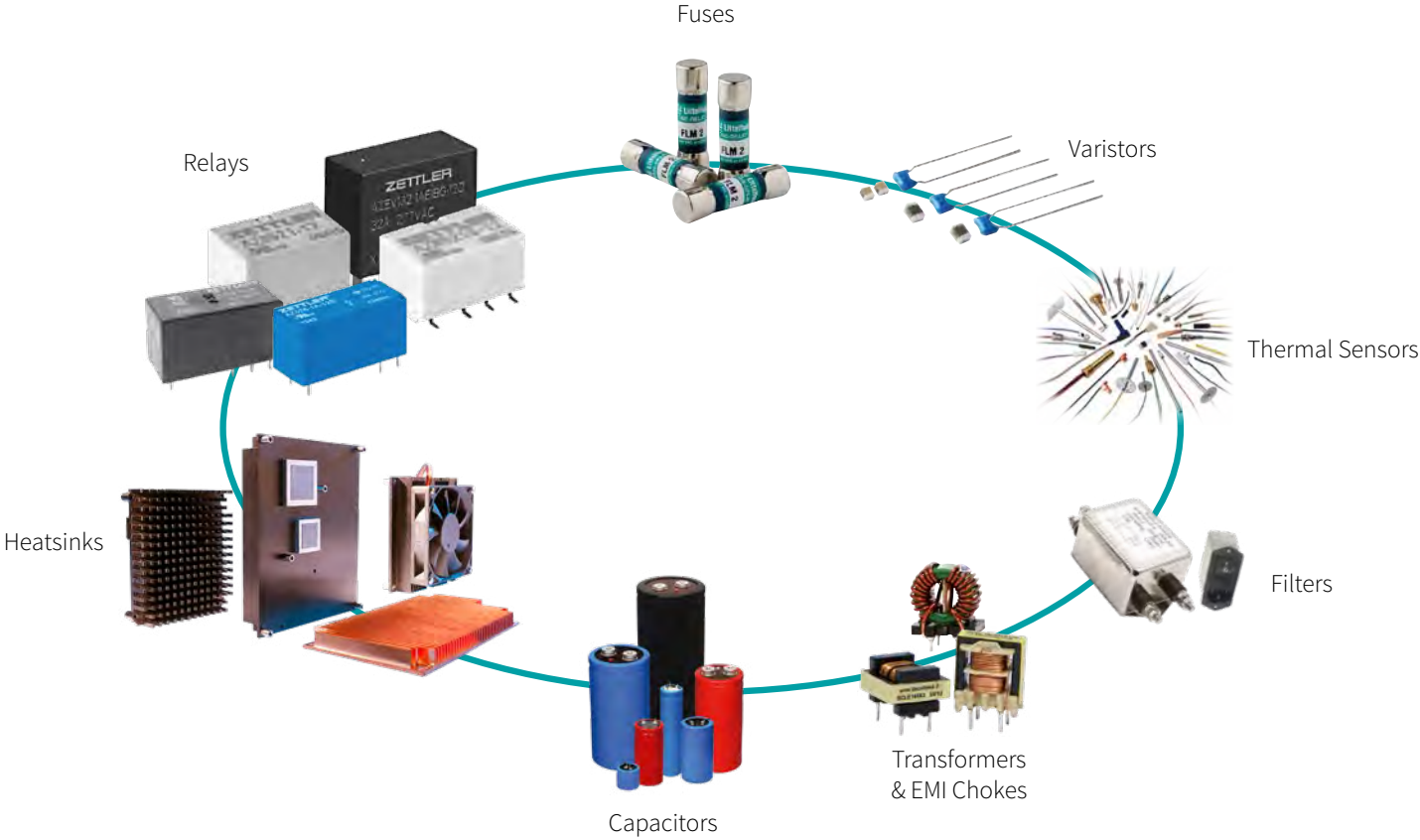


| POWER MANAGEMENT ACTIVE          |                                   | flex | ABB | ADVICE | ECOS | Astrodyne | VOXPOWER | DELTA | XP Power | SFC ENERGY | power integrations | NISSHINBO | MORNSUN | WolfSpeed | Firecomms | Central Semiconductor Corp. | HYNANET | ZETTLER electronics | ISOCOM COMPONENTS |
|----------------------------------|-----------------------------------|------|-----|--------|------|-----------|----------|-------|----------|------------|--------------------|-----------|---------|-----------|-----------|-----------------------------|---------|---------------------|-------------------|
| AC/DC Power Supplies             | Open Frame                        |      |     |        |      |           |          |       |          |            |                    |           |         |           |           |                             |         |                     |                   |
|                                  | Enclosed                          |      |     |        |      |           |          |       |          |            |                    |           |         |           |           |                             |         |                     |                   |
|                                  | Encapsulated                      |      |     |        |      |           |          |       |          |            |                    |           |         |           |           |                             |         |                     |                   |
|                                  | PFC Modules                       |      |     |        |      |           |          |       |          |            |                    |           |         |           |           |                             |         |                     |                   |
|                                  | Din Rail                          |      |     |        |      |           |          |       |          |            |                    |           |         |           |           |                             |         |                     |                   |
|                                  | Medical Power Supplies            |      |     |        |      |           |          |       |          |            |                    |           |         |           |           |                             |         |                     |                   |
|                                  | External Adapters                 |      |     |        |      |           |          |       |          |            |                    |           |         |           |           |                             |         |                     |                   |
|                                  | LED Power Supplies                |      |     |        |      |           |          |       |          |            |                    |           |         |           |           |                             |         |                     |                   |
| DC/DC Converters                 | Customized (All Categories)       |      |     |        |      |           |          |       |          |            |                    |           |         |           |           |                             |         |                     |                   |
|                                  | DC/DC Converter Modules           |      |     |        |      |           |          |       |          |            |                    |           |         |           |           |                             |         |                     |                   |
|                                  | MIL/Hi-REL DC/DC Converters       |      |     |        |      |           |          |       |          |            |                    |           |         |           |           |                             |         |                     |                   |
|                                  | DC/DC Regulator Modules (PoL)     |      |     |        |      |           |          |       |          |            |                    |           |         |           |           |                             |         |                     |                   |
| Power over Ethernet              | Railway DC/DC Converters          |      |     |        |      |           |          |       |          |            |                    |           |         |           |           |                             |         |                     |                   |
| Switching & Linear Regulator ICs | Midspans & Switches               |      |     |        |      |           |          |       |          |            |                    |           |         |           |           |                             |         |                     |                   |
|                                  | DC/DC ICs with Internal Inductor  |      |     |        |      |           |          |       |          |            |                    |           |         |           |           |                             |         |                     |                   |
|                                  | DC/DC Buck- / Boost Regulators    |      |     |        |      |           |          |       |          |            |                    |           |         |           |           |                             |         |                     |                   |
|                                  | AC/DC Conversion ICs              |      |     |        |      |           |          |       |          |            |                    |           |         |           |           |                             |         |                     |                   |
|                                  | DC/DC and AC/DC LED Drivers       |      |     |        |      |           |          |       |          |            |                    |           |         |           |           |                             |         |                     |                   |
|                                  | DC/DC Voltage Regulators          |      |     |        |      |           |          |       |          |            |                    |           |         |           |           |                             |         |                     |                   |
| Sensors                          | LDOs, Single-, Multi Channel      |      |     |        |      |           |          |       |          |            |                    |           |         |           |           |                             |         |                     |                   |
|                                  | Voltage Sensors                   |      |     |        |      |           |          |       |          |            |                    |           |         |           |           |                             |         |                     |                   |
| Protection Devices               | TVS Diodes and Arrays             |      |     |        |      |           |          |       |          |            |                    |           |         |           |           |                             |         |                     |                   |
| Diodes & Rectifiers              | Schottky and Ultra Fast Diodes    |      |     |        |      |           |          |       |          |            |                    |           |         |           |           |                             |         |                     |                   |
|                                  | Rectifier Modules                 |      |     |        |      |           |          |       |          |            |                    |           |         |           |           |                             |         |                     |                   |
| MOSFETs                          | Discrete MOSFETs                  |      |     |        |      |           |          |       |          |            |                    |           |         |           |           |                             |         |                     |                   |
| IGBTs                            | IGBTs                             |      |     |        |      |           |          |       |          |            |                    |           |         |           |           |                             |         |                     |                   |
|                                  | Discrete IGBTs                    |      |     |        |      |           |          |       |          |            |                    |           |         |           |           |                             |         |                     |                   |
| Silicon Carbide                  | Schottky Diodes & MOSFETs         |      |     |        |      |           |          |       |          |            |                    |           |         |           |           |                             |         |                     |                   |
|                                  | Modules                           |      |     |        |      |           |          |       |          |            |                    |           |         |           |           |                             |         |                     |                   |
| MOSFET Gate Drivers              | Optical IGBT Driver Links         |      |     |        |      |           |          |       |          |            |                    |           |         |           |           |                             |         |                     |                   |
|                                  | Modules                           |      |     |        |      |           |          |       |          |            |                    |           |         |           |           |                             |         |                     |                   |
| Thyristors                       | Thyristor Discretes and Modules   |      |     |        |      |           |          |       |          |            |                    |           |         |           |           |                             |         |                     |                   |
|                                  | Triacs                            |      |     |        |      |           |          |       |          |            |                    |           |         |           |           |                             |         |                     |                   |
| Battery Chargers                 | Li-Ion/Li-Polymer 1-cell / 2 cell |      |     |        |      |           |          |       |          |            |                    |           |         |           |           |                             |         |                     |                   |
|                                  | Lithium Iron Phosphate            |      |     |        |      |           |          |       |          |            |                    |           |         |           |           |                             |         |                     |                   |
| Compact PCI Power Supplies       | AC/DC Compact PCI Power Supplies  |      |     |        |      |           |          |       |          |            |                    |           |         |           |           |                             |         |                     |                   |
|                                  | DC/DC Compact PCI Power Supplies  |      |     |        |      |           |          |       |          |            |                    |           |         |           |           |                             |         |                     |                   |
| Optocouplers                     | SMD and THT Optocouplers          |      |     |        |      |           |          |       |          |            |                    |           |         |           |           |                             |         |                     |                   |
| Sales Territories                | DACH                              |      |     |        |      |           |          |       |          |            |                    |           |         |           |           |                             |         |                     |                   |
|                                  | BeNeLux                           |      |     |        |      |           |          |       |          |            |                    |           |         |           |           |                             |         |                     |                   |
|                                  | Eastern Europe                    |      |     |        |      |           |          |       |          |            |                    |           |         |           |           |                             |         |                     |                   |

■ = available | ■ = on request | ■ = not available



POWER MANAGEMENT PASSIVE

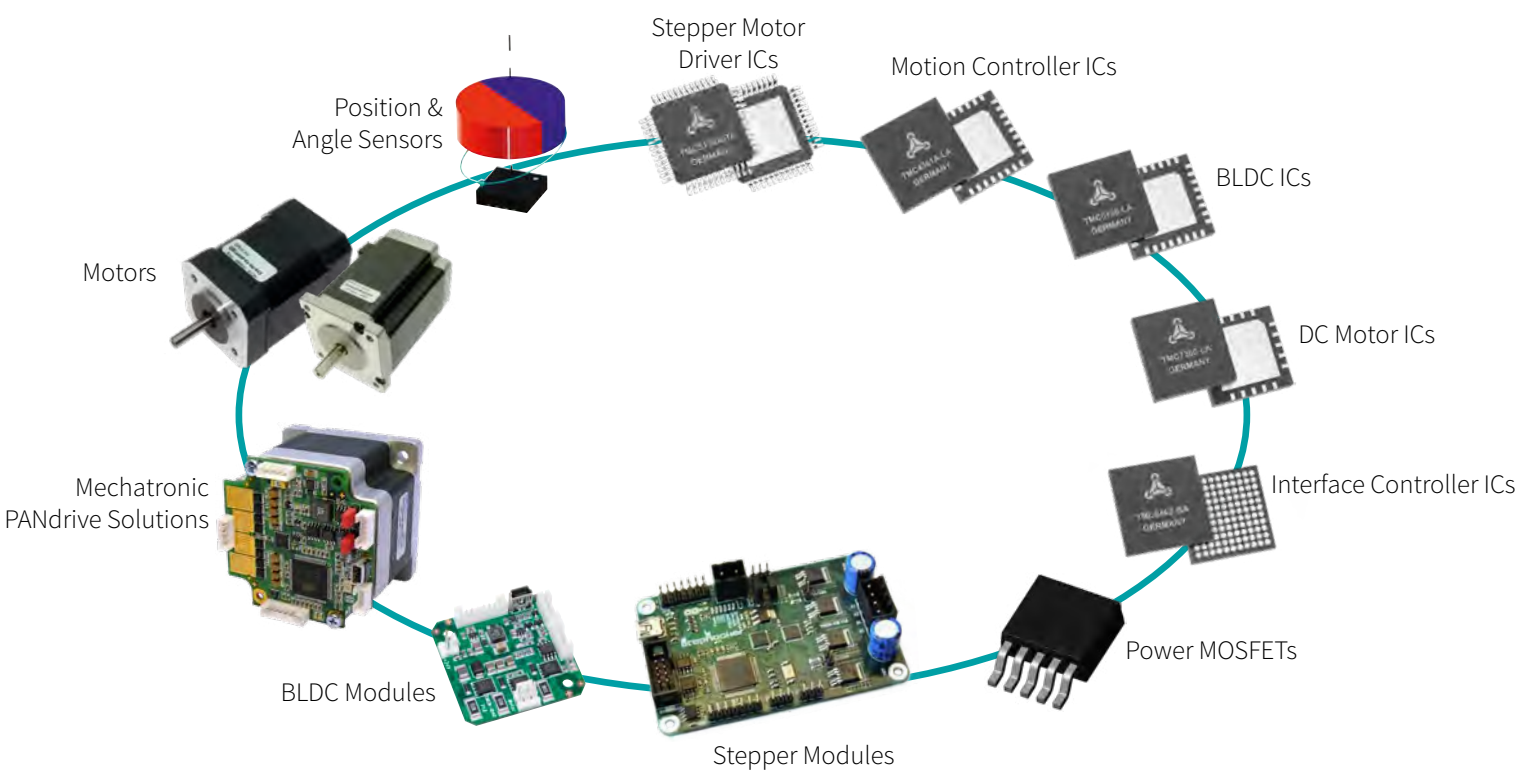


Our Partners:

| POWER MANAGEMENT PASSIVE  |                                  | ABB | AstrodynelTD | MORNSUN | ita coilweb | Fuantronics | CTX THERMAL SOLUTIONS | TE | CORNELL DUBILIER | ZETTLER electronics |
|---------------------------|----------------------------------|-----|--------------|---------|-------------|-------------|-----------------------|----|------------------|---------------------|
| Thermal Sensors           | NTCs and PTCs                    |     |              |         |             |             |                       |    |                  |                     |
|                           | RTDs                             |     |              |         |             |             |                       |    |                  |                     |
|                           | Thermistors                      |     |              |         |             |             |                       |    |                  |                     |
| Filters                   | AC/DC Filters                    |     |              |         |             |             |                       |    |                  |                     |
|                           | DC/DC Filters                    |     |              |         |             |             |                       |    |                  |                     |
| Transformers & EMI Chokes | 50Hz/ 60Hz Transformers          |     |              |         |             |             |                       |    |                  |                     |
|                           | Flyback Transformers             |     |              |         |             |             |                       |    |                  |                     |
|                           | Buck Inductors                   |     |              |         |             |             |                       |    |                  |                     |
|                           | PFC Chokes                       |     |              |         |             |             |                       |    |                  |                     |
|                           | Resonant Transformers            |     |              |         |             |             |                       |    |                  |                     |
|                           | Ripple Filter Chokes             |     |              |         |             |             |                       |    |                  |                     |
|                           | EMI Filter Chokes                |     |              |         |             |             |                       |    |                  |                     |
|                           | Current Sensor                   |     |              |         |             |             |                       |    |                  |                     |
| Capacitors                | Aluminium Electrolytic / DC Link |     |              |         |             |             |                       |    |                  |                     |
|                           | Aluminium Polymer                |     |              |         |             |             |                       |    |                  |                     |
|                           | Conduction Cooled Resonant       |     |              |         |             |             |                       |    |                  |                     |
|                           | DC Oil Filled                    |     |              |         |             |             |                       |    |                  |                     |
|                           | AC Oil Filled                    |     |              |         |             |             |                       |    |                  |                     |
|                           | Film/ DC Link                    |     |              |         |             |             |                       |    |                  |                     |
|                           | Mica                             |     |              |         |             |             |                       |    |                  |                     |
|                           | Ultracapacitors                  |     |              |         |             |             |                       |    |                  |                     |
|                           | Surface Mount                    |     |              |         |             |             |                       |    |                  |                     |
|                           | Flatpacks                        |     |              |         |             |             |                       |    |                  |                     |
|                           |                                  |     |              |         |             |             |                       |    |                  |                     |
| Heatsinks                 | Heatsinks                        |     |              |         |             |             |                       |    |                  |                     |
| Relays                    | Signal Relays                    |     |              |         |             |             |                       |    |                  |                     |
|                           | Power Relays                     |     |              |         |             |             |                       |    |                  |                     |
|                           | Solar Relays                     |     |              |         |             |             |                       |    |                  |                     |
|                           | E-Mobility Relays                |     |              |         |             |             |                       |    |                  |                     |
|                           | High Power Relays                |     |              |         |             |             |                       |    |                  |                     |
|                           | Automotive Relays                |     |              |         |             |             |                       |    |                  |                     |
|                           | DC Relays                        |     |              |         |             |             |                       |    |                  |                     |
| Sales Territories         | DACH                             |     |              |         |             |             |                       |    |                  |                     |
|                           | BeNeLux                          |     |              |         |             |             |                       |    |                  |                     |
|                           | Eastern Europe                   |     |              |         |             |             |                       |    |                  |                     |

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MOTION CONTROL



Our Partners:

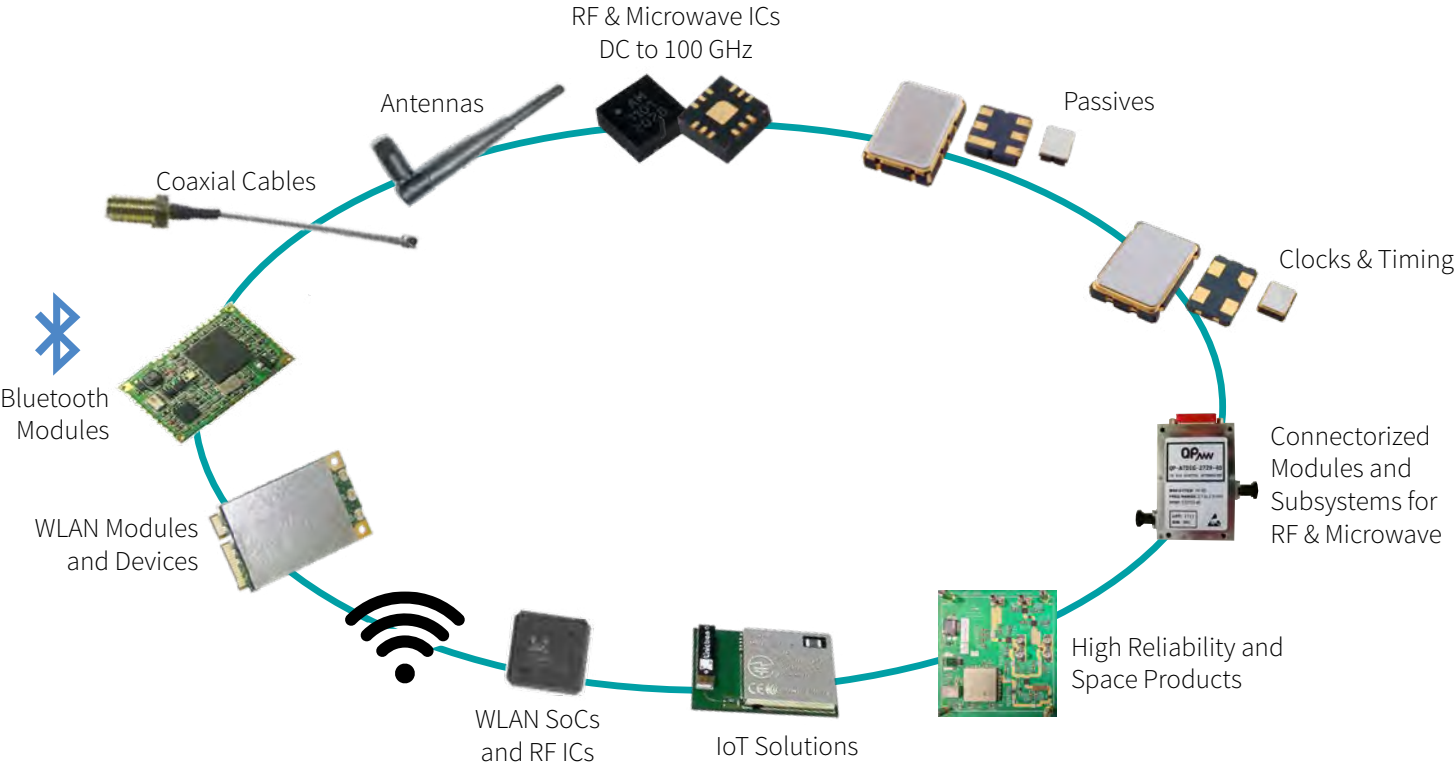


| MOTION CONTROL                 |                                                      |   |   |   |   |   |   |   |   |
|--------------------------------|------------------------------------------------------|---|---|---|---|---|---|---|---|
| Stepper Motor Driver ICs       | Stand Alone Drivers                                  | ■ |   |   |   |   |   |   |   |
|                                | Smart Drivers                                        | ■ |   |   |   |   |   |   |   |
|                                | Motion Controller & Drivers                          | ■ |   |   |   |   |   |   |   |
| Motion Controller ICs          | Motion Controller ICs                                | ■ |   |   |   |   |   |   |   |
| BLDC ICs                       | BLDC Driver ICs                                      | ■ |   | ■ | ■ |   |   |   |   |
|                                | BLDC Controller ICs                                  | ■ |   |   |   |   |   |   |   |
|                                | BLDC Controller & Driver ICs                         | ■ |   | ■ |   |   |   |   |   |
| DC-Motor ICs                   | DC-Motor ICs                                         | ■ |   |   |   |   |   |   |   |
| Interface Controller ICs       | EtherCAT Slave Controllers with motion control block | ■ |   |   |   |   |   |   |   |
| Power MOSFETs                  | Power MOSFETs                                        |   |   |   |   |   |   |   |   |
| Stepper Modules                | Standard Stepper Modules                             | ■ |   |   |   |   |   |   |   |
|                                | Customized Stepper Modules                           |   | ■ |   |   |   |   |   |   |
| BLDC Modules                   | BLDC Modules                                         | ■ |   |   |   |   |   |   |   |
| Mechatronic PANdrive Solutions | Standard PANdrives                                   | ■ |   |   |   |   |   |   |   |
|                                | Customized Solutions                                 |   | ■ |   |   |   |   |   |   |
| Motors                         | Stepper Motors                                       | ■ |   |   |   | ■ |   |   |   |
|                                | BLDC Motors                                          | ■ |   |   |   | ■ |   |   |   |
|                                | Piezo Motors                                         |   |   |   |   |   | ■ |   |   |
| Position & Angle Sensors       | Magnetic Absolute Position Sensor ICs (HALL/AMR)     |   |   |   |   |   |   |   | ■ |
|                                | Magnetic Absolute Position Sensors (HALL/AMR)        |   |   |   |   |   |   |   | ■ |
|                                | Magnetic HALL Switch Sensors                         |   |   |   |   |   |   |   | ■ |
|                                | Magnetic Reed Switch Sensors                         |   |   |   |   |   |   |   | ■ |
|                                | Magnets                                              |   |   |   |   |   |   |   |   |
|                                | Inductive Absolute Position Sensor ICs               |   |   |   |   |   |   | ■ |   |
|                                | Inductive Absolute Position Sensor PCBs              |   |   |   |   |   |   | ■ |   |
|                                | Inductive Absolute Position Targets                  |   |   |   |   |   |   | ■ |   |
|                                | Inductive Absolute Position Sensors (LVDT/LVIT)      |   |   |   |   |   |   |   | ■ |
|                                | Inductive Absolute Position Sensors (RVDT/RVIT)      |   |   |   |   |   |   |   | ■ |
|                                | Optical Incremental Encoders                         | ■ |   |   |   |   |   |   |   |
|                                | Hollow shaft resolvers                               |   |   |   |   |   |   |   | ■ |
| Sales Territories              | DACH                                                 | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
|                                | BeNeLux                                              | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
|                                | Eastern Europe                                       | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |

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RF MICROWAVE / WIRELESS



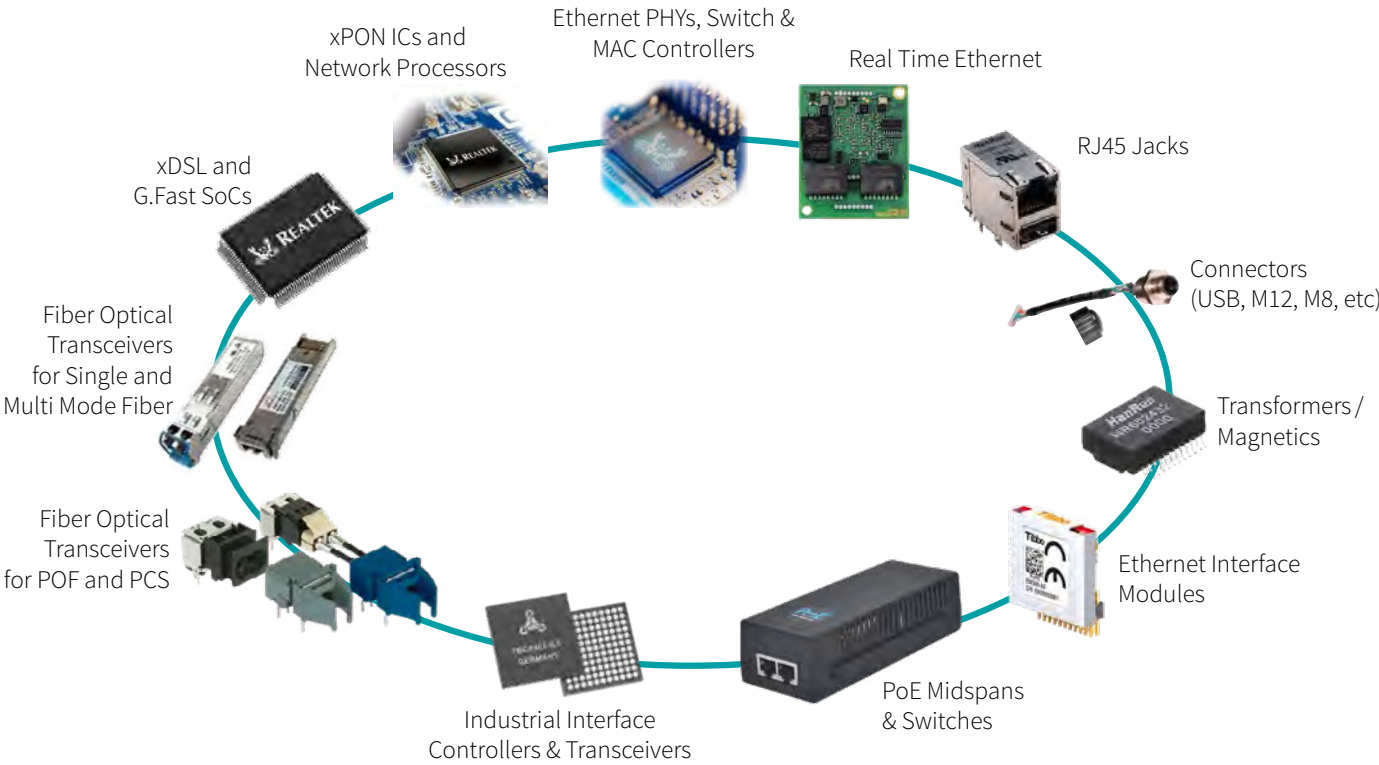
Our Partners:



| RF MICROWAVE / WIRELESS                                   |                                               | ATLANTA<br>micro | SAC<br>SUPERAPEX<br>CORPORATION | QPmw | Qualwave | NISSHINBO | Golledge | REALTEK | SPARKLAN | jjPlus | emwicon | JORWIN | KINSUN | 2J<br>antennas | Tibbo<br>TECHNOLOGY | CAVLI<br>wireless |
|-----------------------------------------------------------|-----------------------------------------------|------------------|---------------------------------|------|----------|-----------|----------|---------|----------|--------|---------|--------|--------|----------------|---------------------|-------------------|
| RF & Microwave ICs                                        | Low Noise and Power Amplifiers                |                  | ■                               |      |          | ■         |          |         |          |        |         |        |        |                |                     |                   |
|                                                           | Gain Blocks                                   | ■                | ■                               |      |          |           |          |         |          |        |         |        |        |                |                     |                   |
|                                                           | Attenuators Analog & Digital                  | ■                | ■                               |      |          |           |          |         |          |        |         |        |        |                |                     |                   |
|                                                           | Mixers                                        |                  | ■                               |      |          |           |          |         |          |        |         |        |        |                |                     |                   |
|                                                           | RF Switches                                   | ■                | ■                               |      |          | ■         |          |         |          |        |         |        |        |                |                     |                   |
|                                                           | Tunable Filters                               | ■                |                                 |      |          |           |          |         |          |        |         |        |        |                |                     |                   |
|                                                           | Tuners/Receivers                              | ■                |                                 |      |          |           |          |         |          |        |         |        |        |                |                     |                   |
| Passives                                                  | SAW Filters                                   |                  |                                 |      |          | ■         | ■        |         |          |        |         |        |        |                |                     |                   |
|                                                           | Crystal Filters and LC Filters                |                  |                                 |      |          |           | ■        |         |          |        |         |        |        |                |                     |                   |
|                                                           | Power Splitters/Combiners                     | ■                |                                 |      |          |           |          |         |          |        |         |        |        |                |                     |                   |
| Clocks & Timing                                           | Crystals                                      |                  |                                 |      |          |           | ■        |         |          |        |         |        |        |                |                     |                   |
|                                                           | Crystal Oscillators                           |                  |                                 |      |          | ■         | ■        |         |          |        |         |        |        |                |                     |                   |
|                                                           | OCXOs, VCXOs, TCXOs                           |                  |                                 |      |          | ■         | ■        |         |          |        |         |        |        |                |                     |                   |
|                                                           | Real Time Clocks                              |                  |                                 |      |          | ■         | ■        |         |          |        |         |        |        |                |                     |                   |
| Connectorized Modules and Subsystems for RF and Microwave | Modules                                       |                  | ■                               | ■    | ■        |           |          |         |          |        |         |        |        |                |                     |                   |
|                                                           | Subsystems                                    |                  |                                 | ■    | ■        |           |          |         |          |        |         |        |        |                |                     |                   |
| High Reliability and Space Products                       | High-Rel                                      | ■                |                                 | ■    |          |           |          |         |          |        |         |        |        |                |                     |                   |
| IoT Solutions                                             | WiFi 6/5/4 - , Bluetooth-, BLE-ICs and Combos |                  |                                 |      |          |           |          | ■       |          |        |         |        |        |                |                     |                   |
|                                                           | WiFi 6/5/4 Modules                            |                  |                                 |      |          |           |          |         | ■        |        |         | ■      |        |                |                     |                   |
|                                                           | Web-app Programmable Wireless IIoT Module     |                  |                                 |      |          |           |          |         |          |        |         |        |        |                | ■                   |                   |
|                                                           | LPWAN, NB-IoT, LTE Cat. M1, LoRa, Sigfox      |                  |                                 |      |          |           |          |         | ■        |        |         | ■      |        |                |                     | ■                 |
| WiFi 6/5/4 SoCs and RF ICs                                | WiFi 6/5/4 SoCs and RF ICs USB / SDIO / PCIe  |                  |                                 |      |          |           |          | ■       |          |        |         |        |        |                |                     |                   |
| WiFi 6/5/4 Modules and Devices                            | Mini PCI Express & M.2                        |                  |                                 |      |          |           |          |         | ■        | ■      | ■       |        |        |                |                     |                   |
|                                                           | USB                                           |                  |                                 |      |          |           |          |         | ■        | ■      | ■       |        |        |                |                     |                   |
|                                                           | APs and Gateways                              |                  |                                 |      |          |           |          |         | ■        | ■      | ■       |        |        |                |                     |                   |
| Bluetooth Modules                                         | Smart                                         |                  |                                 |      |          |           |          |         |          |        |         | ■      |        |                |                     |                   |
|                                                           | Bluetooth + WiFi 6/5/4 Combos                 |                  |                                 |      |          |           |          |         | ■        | ■      | ■       | ■      |        |                |                     |                   |
| Coaxial Cables                                            | Coaxial Cables Standard and Customized        |                  |                                 |      | ■        |           |          |         |          |        |         |        | ■      | ■              |                     |                   |
| Antennas                                                  | WiFi 6/5/4 (2.4, 5 and 6 GHz)                 |                  |                                 |      |          |           |          |         |          |        |         |        | ■      | ■              |                     |                   |
|                                                           | 5G, LTE, UMTS and GSM / GPRS                  |                  |                                 |      |          |           |          |         |          |        |         |        | ■      | ■              |                     |                   |
|                                                           | Rubber & Stubby                               |                  |                                 |      |          |           |          |         |          |        |         |        | ■      | ■              |                     |                   |
|                                                           | GPS                                           |                  |                                 |      |          |           |          |         |          |        |         |        | ■      | ■              |                     |                   |
| Sales Territories                                         | DACH                                          | ■                | ■                               | ■    | ■        | ■         | ■        | ■       | ■        | ■      | ■       | ■      | ■      | ■              | ■                   | ■                 |
|                                                           | BeNeLux                                       | ■                | ■                               | ■    | ■        | ■         | ■        | ■       | ■        | ■      | ■       | ■      | ■      | ■              | ■                   | ■                 |
|                                                           | Eastern Europe                                | ■                | ■                               | ■    | ■        | ■         | ■        | ■       | ■        | ■      | ■       | ■      | ■      | ■              | ■                   | ■                 |

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NETWORKING / DATACOM



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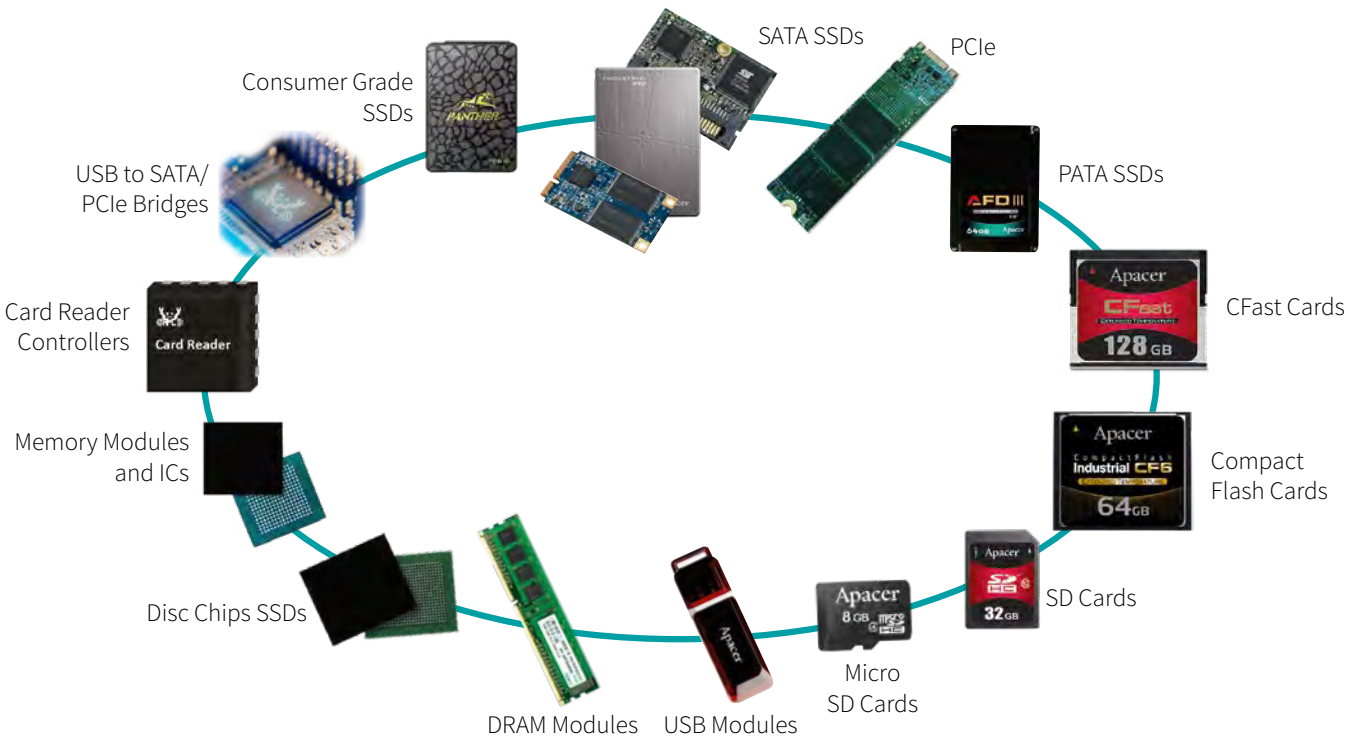




| NETWORKING / DATACOM                                            |                                                                    | REALTEK | HYN@NET | KINSUN | HanRun | Tibbo TECHNOLOGY | SparkLAN | emwicon | ADI Trinamic | port | NISSHINBO | Firecomms | PAC Opto | MORNSUN |
|-----------------------------------------------------------------|--------------------------------------------------------------------|---------|---------|--------|--------|------------------|----------|---------|--------------|------|-----------|-----------|----------|---------|
| Industrial Ethernet PHYceivers                                  | Single Pair Ethernet / Long Distance                               | ■       |         |        |        |                  |          |         |              |      |           |           |          |         |
|                                                                 | Fast Ethernet                                                      | ■       |         |        |        |                  |          |         |              |      |           |           |          |         |
|                                                                 | Gigabit Ethernet                                                   | ■       |         |        |        |                  |          |         |              |      |           |           |          |         |
|                                                                 | 2.5Gig and 5Gig Ethernet                                           | ■       |         |        |        |                  |          |         |              |      |           |           |          |         |
| Industrial Ethernet Switch Controllers                          | ...with integrated 8Port Single Pair Ethernet PHYs                 | ■       |         |        |        |                  |          |         |              |      |           |           |          |         |
|                                                                 | Fast Ethernet (4 to 24 Port)                                       | ■       |         |        |        |                  |          |         |              |      |           |           |          |         |
|                                                                 | Gigabit Ethernet (3 to 24 Port)                                    | ■       |         |        |        |                  |          |         |              |      |           |           |          |         |
|                                                                 | ... with 2.5, 5 and 10 Gigabit Uplink PHYs                         | ■       |         |        |        |                  |          |         |              |      |           |           |          |         |
| Industrial Ethernet Controllers (MAC Controller / NIC)          | FE, GBE, 2.5G and 5G - PCI / PCIe / USB Interface                  | ■       |         |        |        |                  |          |         |              |      |           |           |          |         |
| Real Time Ethernet                                              | NIC and PHY ICs with IEEE 1588v2 and SyncEthernet support          | ■       |         |        |        |                  |          |         |              |      |           |           |          |         |
|                                                                 | EtherCAT Slave Controller ICs                                      |         |         |        |        |                  |          |         | ■            |      |           |           |          |         |
|                                                                 | Profinet, EtherNet/IP & EtherCAT Gateway Modules                   |         |         |        |        |                  |          |         |              | ■    |           |           |          |         |
| RJ45 Jacks                                                      | with Transformer / Magnetics                                       |         |         | ■      | ■      |                  |          |         |              |      |           |           |          |         |
|                                                                 | without Transformer / Magnetics                                    |         |         | ■      |        |                  |          |         |              |      |           |           |          |         |
|                                                                 | Custom Solutions                                                   |         |         | ■      | ■      |                  |          |         |              |      |           |           |          |         |
| Connectors (USB, M12, M8, etc.)                                 | Connectors (USB, M12, M8, etc.)                                    |         |         | ■      |        |                  |          |         |              |      |           |           |          |         |
| Transformers / Magnetics                                        | Transformers / Magnetics                                           |         |         |        | ■      |                  |          |         |              |      |           |           |          |         |
| Ethernet Interface Modules                                      | Gateway Controllers                                                |         |         |        |        | ■                |          |         |              |      |           |           |          |         |
|                                                                 | Ethernet to Serial Modules & Devices                               |         |         |        |        | ■                |          |         |              |      |           |           |          |         |
|                                                                 | Ethernet to WLAN / WIFI Bridges                                    |         |         |        |        | ■                |          |         |              |      |           |           |          |         |
|                                                                 | Programmable Ethernet Solutions                                    |         |         |        |        | ■                |          |         |              |      |           |           |          |         |
|                                                                 | Ethernet Sniffer                                                   |         |         |        |        | ■                |          |         |              |      |           |           |          |         |
|                                                                 | Routers, Bridges, Access Points, Repeaters                         |         |         |        |        |                  | ■        | ■       |              |      |           |           |          |         |
| PoE - Power over Ethernet                                       | Midspans (Injectors) & Switches                                    |         | ■       |        |        |                  |          |         |              |      |           |           |          |         |
| Industrial Interface Controllers & Transceivers                 | IO-Link Transceiver                                                |         |         |        |        |                  |          |         |              |      | ■         |           |          |         |
|                                                                 | RS232 / RS485 Transceiver ICs and Modules                          |         |         |        |        |                  |          |         |              |      |           |           |          | ■       |
|                                                                 | CAN Transceiver ICs and Modules                                    |         |         |        |        |                  |          |         |              |      |           |           |          | ■       |
| Fiber Optical Transceivers for POF and PCS                      | DC to 1, 5, 10, 50 MBd                                             |         |         |        |        |                  |          |         |              |      |           | ■         |          |         |
|                                                                 | Fast Ethernet / 250 MBit/s / ... Gigabit / Ethernet over Freespace |         |         |        |        |                  |          |         |              |      |           | ■         |          |         |
| Fiber Optical Transceivers for Single Mode and Multi Mode Fiber | LAN, WAN, SAN and Metro Area Networks                              |         |         |        |        |                  |          |         |              |      |           |           |          | ■       |
|                                                                 | Renewable Energy / Smart Grid Networks                             |         |         |        |        |                  |          |         |              |      |           |           |          | ■       |
|                                                                 | Industrial Automation Networks (Operating Temp. up to 105°C)       |         |         |        |        |                  |          |         |              |      |           |           |          | ■       |
| xDSL and G.Fast SoCs                                            | xDSL and G.Fast SoCs                                               | ■       |         |        |        |                  |          |         |              |      |           |           |          |         |
| xPON ICs and 10G Network Processors                             | xPON ICs and 10G Network Processors                                | ■       |         |        |        |                  |          |         |              |      |           |           |          |         |
| Sales Territories                                               | DACH                                                               | ■       | ■       | ■      | ■      | ■                | ■        | ■       | ■            | ■    | ■         | ■         | ■        | ■       |
|                                                                 | BeNeLux                                                            | ■       | ■       | ■      | ■      | ■                | ■        | ■       | ■            | ■    | ■         | ■         | ■        | ■       |
|                                                                 | Eastern Europe                                                     | ■       | ■       | ■      | ■      | ■                | ■        | ■       | ■            | ■    | ■         | ■         | ■        | ■       |

■ = available | ■ = on request | ■ = not available

STORAGE



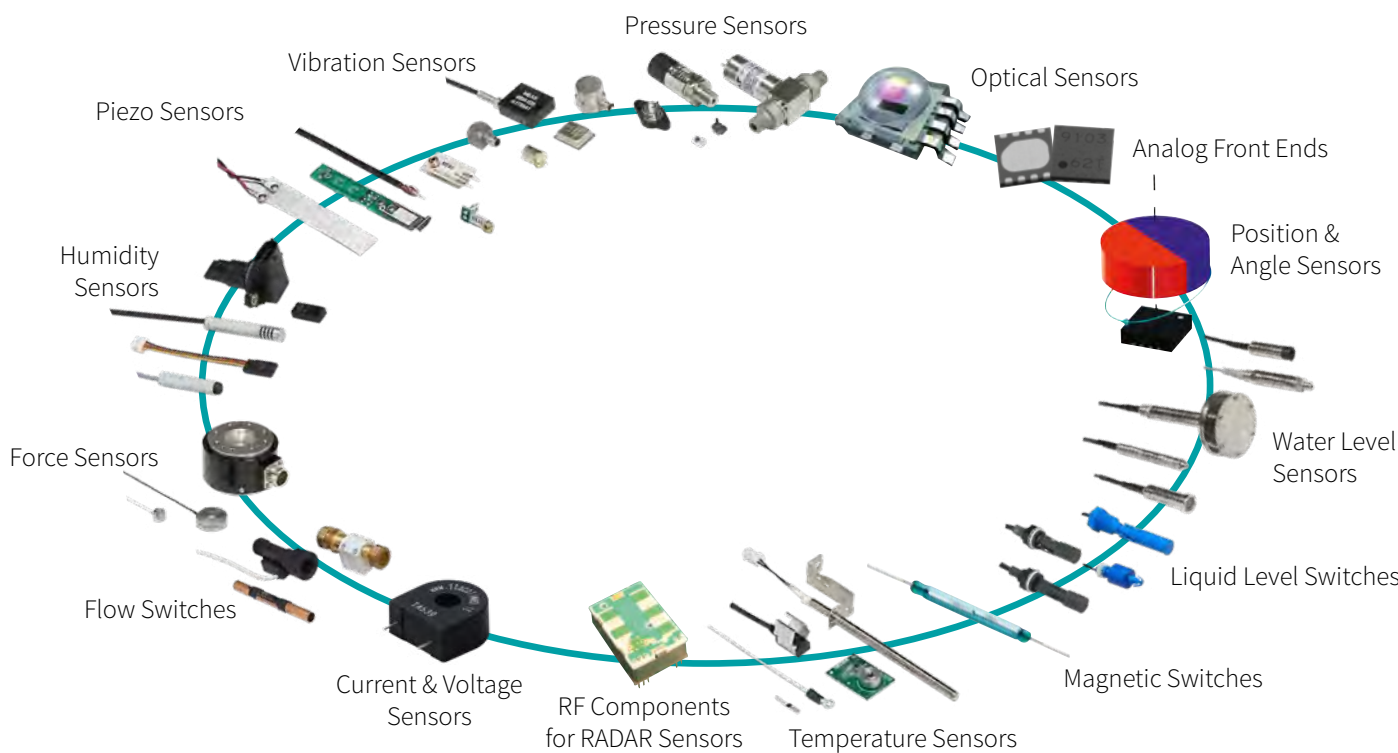
Our Partners:



| STORAGE                  |                          | Apacer | Virtium | REALTEK | UD info |
|--------------------------|--------------------------|--------|---------|---------|---------|
| SATA SSDs                | 2,5" SATA                | ■      | ■       |         | ■       |
|                          | 1,8" SATA                | ■      | ■       |         | ■       |
|                          | m SATA                   | ■      | ■       |         | ■       |
|                          | Slim SATA                | ■      | ■       |         | ■       |
|                          | M.2 SATA                 | ■      | ■       |         | ■       |
| PCIe                     | M.2 PCIe                 | ■      | ■       |         | ■       |
|                          | mini PCIe                | ■      | ■       |         | ■       |
|                          | Enterprise PCIe          | ■      |         |         |         |
| PATA SSDs                | PATA SSDs                | ■      | ■       |         | ■       |
| CFAST Cards              | CFAST Cards              | ■      | ■       |         | ■       |
| Compact Flash Cards      | Compact Flash Cards      | ■      | ■       |         | ■       |
| SD Cards                 | SD Cards                 | ■      |         |         | ■       |
| Micro SD Cards           | Micro SD Cards           | ■      |         |         | ■       |
| USB Modules              | USB Modules              | ■      | ■       |         | ■       |
| DRAM Moldules            | DRAM Moldules            | ■      | ■       |         | ■       |
| Disc Chips SSDs          | Disc Chips SSDs          | ■      |         |         | ■       |
| Card Reader Controllers  | Card Reader Controllers  |        |         | ■       |         |
| USB to SATA/PCIe Bridges | USB to SATA/PCIe Bridges |        |         | ■       |         |
| Consumer Grade SSDs      | Consumer Grade SSDs      | ■      |         |         | ■       |
| Sales Territories        | DACH                     | ■      | ■       | ■       | ■       |
|                          | BeNeLux                  | ■      | ■       | ■       | ■       |
|                          | Eastern Europe           | ■      | ■       | ■       | ■       |

■ = available | ■ = on request | ■ = not available

SENSORS



Our Partners:

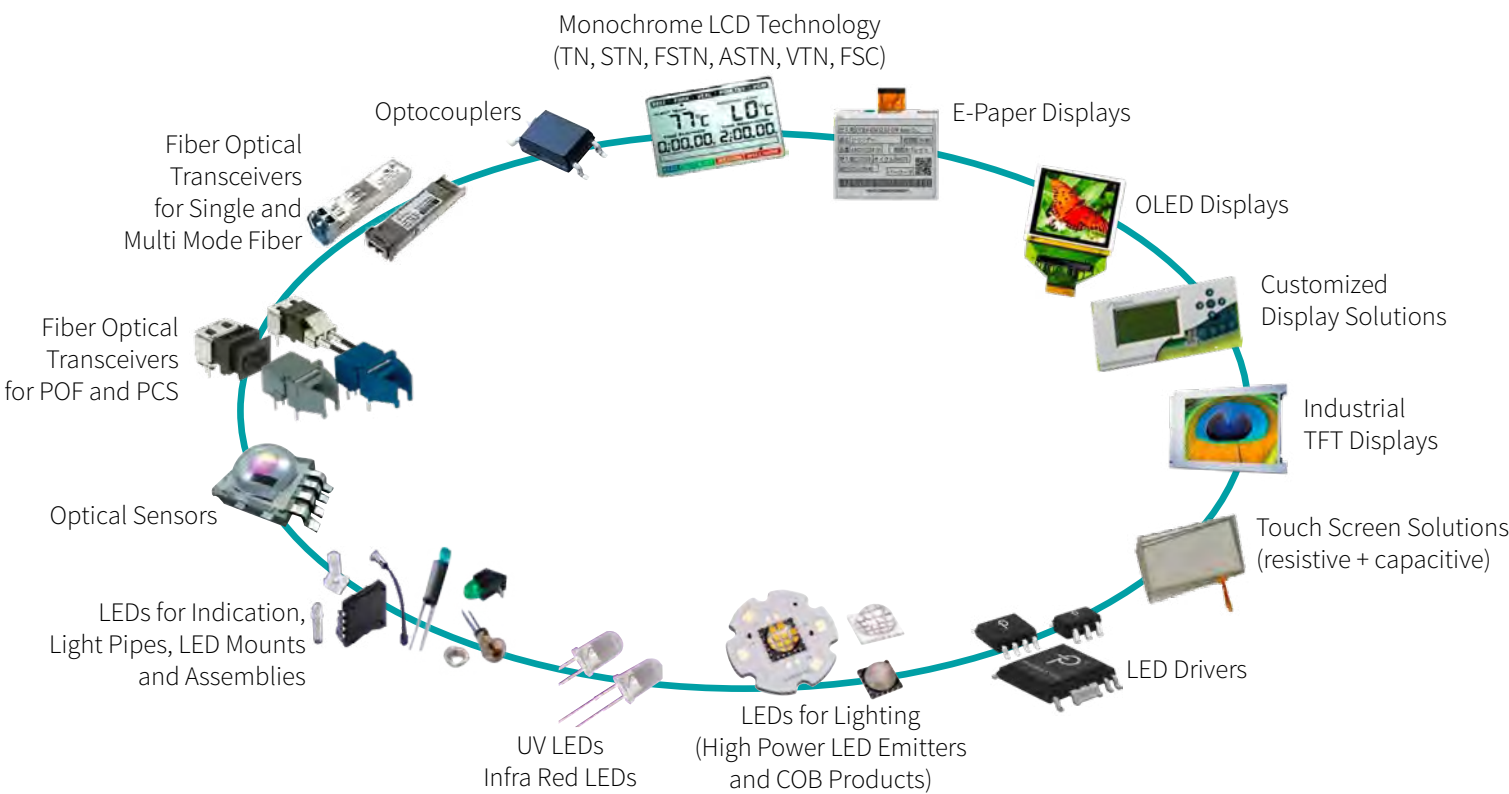


| SENSORS                         |                                                       |  |  |  |  |  |  |
|---------------------------------|-------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Pressure Sensors                | Board Level Sensors                                   | ■                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                 | Pressure Transducer                                   | ■                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                 | Media Isolated Pressure Capsules                      | ■                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Optical Sensors                 | Visible Light Sensors                                 |                                                                                     | ■                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Analog Front End                | Analog Front End                                      |                                                                                     | ■                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Position & Angle Sensors        | Magnetic Absolute Position Sensor ICs (HALL/AMR)      | ■                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                 | Magnetic Absolute Position Sensors (HALL/AMR)         | ■                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                 | Magnetic HALL Switch Sensors                          | ■                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                 | Magnetic Reed Switch Sensors                          | ■                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                 | Inductive Absolute Position Sensor ICs                |                                                                                     |                                                                                     | ■                                                                                   |                                                                                     |                                                                                     |                                                                                     |
|                                 | Inductive Absolute Position Sensor PCBs               |                                                                                     |                                                                                     | ■                                                                                   |                                                                                     |                                                                                     |                                                                                     |
|                                 | Inductive Absolute Position Targets                   |                                                                                     |                                                                                     | ■                                                                                   |                                                                                     |                                                                                     |                                                                                     |
|                                 | Inductive Absolute Position Sensors (LVDT/LVIT)       | ■                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                 | Inductive Absolute Position Sensors (RVDT/RVIT)       | ■                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                 | Optical Incremental Encoders                          |                                                                                     |                                                                                     |                                                                                     |                                                                                     | ■                                                                                   |                                                                                     |
| Water Level Sensors             | Hollow shaft resolvers                                | ■                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                 | Water Level Sensors                                   | ■                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Temperature Sensors             | Liquid Level Switches                                 | ■                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                 | Digital Temperature ICs                               | ■                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                 | Thermopiles                                           | ■                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| RF Components for RADAR Sensors | NTCs, RTDs, thermocouples also in Probes & Assemblies | ■                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     | ■                                                                                   |
|                                 | RF Components for RADAR Sensors                       |                                                                                     | ■                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Current & Voltage Sensors       | Voltage Sensors                                       |                                                                                     | ■                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                 | Current Sensors                                       |                                                                                     |                                                                                     |                                                                                     | ■                                                                                   |                                                                                     |                                                                                     |
| Flow Switches                   | Flow Switches                                         | ■                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Force Sensors                   | Force Sensors                                         | ■                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Humidity Sensors                | Humidity Sensors                                      | ■                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Piezo Sensors                   | Piezo Sensors                                         | ■                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Vibration Sensors               | Accelerometers                                        | ■                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Sales Territories               | DACH                                                  | ■                                                                                   | ■                                                                                   | ■                                                                                   | ■                                                                                   | ■                                                                                   | ■                                                                                   |
|                                 | BeNeLux                                               | ■                                                                                   | ■                                                                                   | ■                                                                                   | ■                                                                                   | ■                                                                                   | ■                                                                                   |
|                                 | Eastern Europe                                        | ■                                                                                   | ■                                                                                   | ■                                                                                   | ■                                                                                   | ■                                                                                   | ■                                                                                   |

■ = available | ■ = on request | ■ = not available



OPTOELECTRONICS / DISPLAYS



Our Partners:

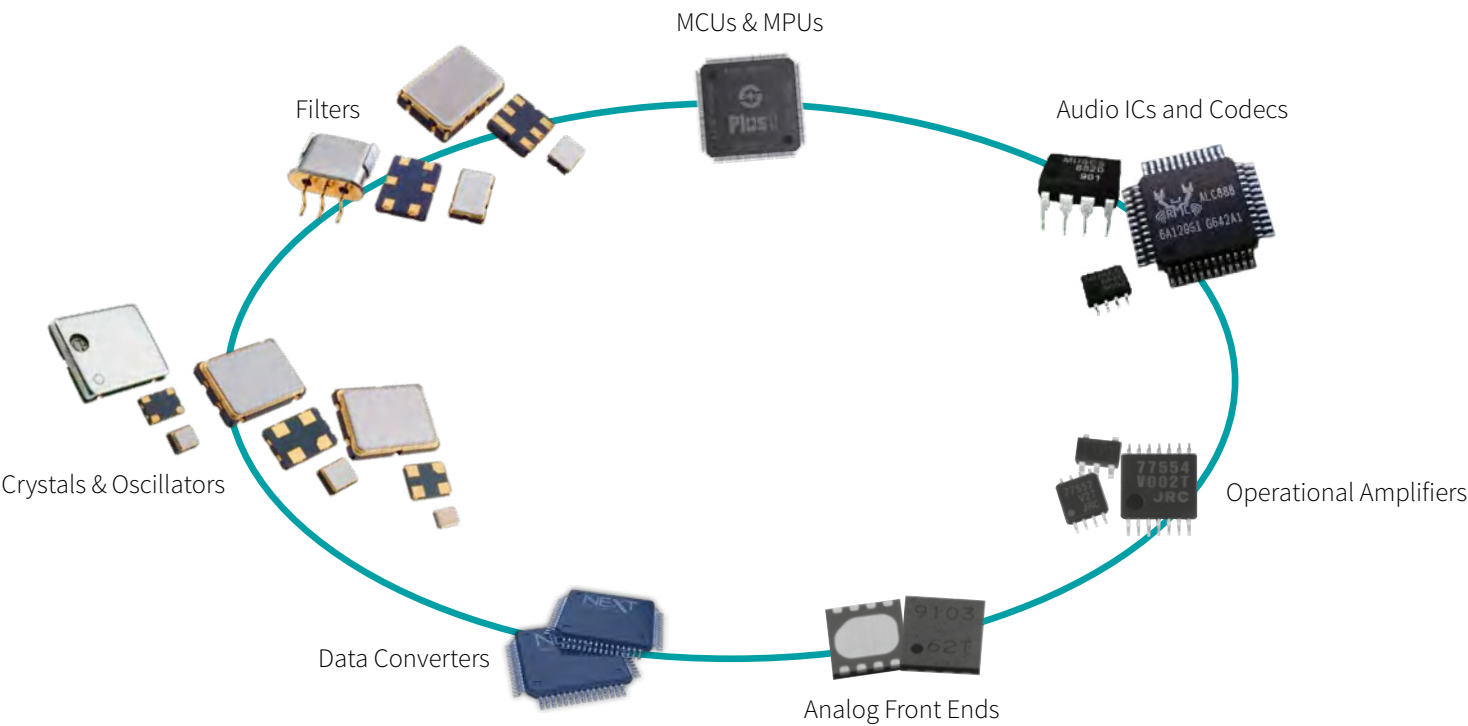


| OPTOELECTRONICS / DISPLAYS                                      |                                                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----------------------------------------------------------------|------------------------------------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Monochrome LCD Technology                                       | Monochrome LCDs (TN, STN, FSTN, ASTN)                            |   |   |   |   | ■ |   |   | ■ | ■ |   |   |   |   |   |
|                                                                 | VTN (Vertical Alignment), FS (Field Sequential Color) LCDs       |   |   |   |   | ■ |   |   | ■ | ■ |   |   |   |   |   |
|                                                                 | Graphical and Character LCDs                                     |   |   |   |   | ■ |   |   | ■ | ■ |   |   |   |   |   |
| E-Paper Displays                                                | E-Paper Displays                                                 |   |   |   |   |   |   | ■ |   |   |   |   |   |   |   |
| OLED Displays                                                   | Monochrome und Color PMOLED                                      |   |   |   |   | ■ |   |   |   |   |   | ■ |   |   |   |
|                                                                 | Flexible PMOLED                                                  |   |   |   |   |   |   |   |   |   |   | ■ |   |   |   |
|                                                                 | Transparent PMOLED                                               |   |   |   |   |   |   |   |   |   |   | ■ |   |   |   |
| Customized Display Solutions                                    | Customized Display Solutions                                     |   |   |   |   | ■ | ■ | ■ | ■ | ■ | ■ |   |   |   |   |
| Industrial TFT Displays                                         | Industrial Grade / Long Term Available                           |   |   |   |   | ■ | ■ |   | ■ |   |   |   |   |   |   |
|                                                                 | Outdoor and Sunlight Readable                                    |   |   |   |   | ■ | ■ |   | ■ |   |   |   |   |   |   |
|                                                                 | IPS (In Plane Switching) Industrial TFTs                         |   |   |   |   | ■ | ■ |   | ■ |   |   |   |   |   |   |
|                                                                 | TFT Bar Display (TFT cutting)                                    |   |   |   |   |   | ■ |   |   |   |   |   |   |   |   |
|                                                                 | 19" 1U / 2U Form Factor TFTs                                     |   |   |   |   | ■ |   |   |   |   |   |   |   |   |   |
| Touch Screen Solutions                                          | Customized TFT Solutions                                         |   |   |   |   | ■ | ■ |   |   |   |   |   |   |   |   |
|                                                                 | Resistive Touch + Capacitive Touch + Multi Touch                 |   |   |   |   | ■ | ■ |   | ■ |   |   |   |   |   |   |
|                                                                 | Capacitive Touch with Glove Operation                            |   |   |   |   | ■ | ■ |   | ■ |   |   |   |   |   |   |
|                                                                 | In Cell CTP                                                      |   |   |   |   |   |   | ■ | ■ | ■ | ■ |   |   |   |   |
| LED Drivers                                                     | Optical Bonding                                                  |   |   |   |   | ■ | ■ |   | ■ |   |   |   |   |   |   |
|                                                                 | LED Drivers                                                      |   |   |   |   |   |   |   |   |   |   | ■ | ■ | ■ |   |
| LEDs for Lighting                                               | High Power LED Emitters                                          |   | ■ |   |   |   |   |   |   |   |   |   |   |   |   |
|                                                                 | High Power COB Products                                          |   | ■ |   |   |   |   |   |   |   |   |   |   |   |   |
|                                                                 | RGB(W) for Entertainment and Stage Lighting                      |   | ■ |   |   |   |   |   |   |   |   |   |   |   |   |
|                                                                 | High Voltage LEDs                                                |   | ■ |   |   |   |   |   |   |   |   |   |   |   |   |
|                                                                 | Secondary Optics and Lenses                                      |   | ■ |   |   |   |   |   |   |   |   |   |   |   |   |
| UV LEDs                                                         | UV LEDs                                                          | ■ | ■ |   |   |   |   |   |   |   |   |   |   |   |   |
| Infra Red LEDs                                                  | Infra Red LEDs                                                   | ■ | ■ |   |   |   |   |   |   |   |   |   |   |   |   |
| LEDs for Indication                                             | THT LEDs / SMT LEDs                                              | ■ |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                                                                 | Light Pipes flexible and rigid                                   | ■ |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                                                                 | LED Mounts and Assemblies                                        | ■ |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Optical Sensors                                                 | Visible Light Sensors                                            |   |   |   |   |   |   |   |   |   |   | ■ |   |   |   |
|                                                                 | Photo Diodes / Photo Reflectors                                  |   |   |   |   |   |   |   |   |   |   | ■ |   |   |   |
|                                                                 | Analog Receivers for POF                                         |   |   |   |   | ■ |   |   |   |   |   |   |   |   |   |
| Fiber Optical Transceivers for POF and PCS                      | DCs to 1, 5, 10, 50 MBd                                          |   |   |   | ■ |   |   |   |   |   |   |   |   |   |   |
|                                                                 | Fast Ethernet / 250 Mbit/s ... Gigabit / Ethernet over Freespace |   |   |   | ■ |   |   |   |   |   |   |   |   |   |   |
| Fiber Optical Transceivers for Single Mode and Multi Mode Fiber | LAN, WAN, SAN and Metro Area Networks                            | ■ |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                                                                 | Renewable Energy / Smart Grid Networks                           | ■ |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                                                                 | Industrial Automation Networks (Operating Temp. up to 105°C)     | ■ |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Optocouplers                                                    | SMD and THT Optocouplers                                         |   |   |   |   |   |   |   |   |   |   |   |   |   | ■ |
| Sales Territories                                               | DACH                                                             | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
|                                                                 | BeNeLux                                                          | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
|                                                                 | Eastern Europe                                                   | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |

■ = available | ■ = on request | ■ = not available



# SIGNAL PROCESSING / MICROCONTROLLERS



Our Partners:



| SIGNAL PROCESSING / MICROCONTROLLERS                         |                                               |  |  |  |  |
|--------------------------------------------------------------|-----------------------------------------------|--|--|--|--|
| MCUs (Micro Controller Units) & MPUs (Micro Processor Units) | Embedded Linux Controller (SiP)               |  |  |  |  |
| Audio ICs and Codecs                                         | Audio Switches and Audio Amplifiers           |  |  |  |  |
|                                                              | Audio Codecs (HDA; AC97; I2S)                 |  |  |  |  |
|                                                              | Audio Codecs with 5 Year Product Availability |  |  |  |  |
|                                                              | UAJ (Universal Audio Jack) Codecs             |  |  |  |  |
|                                                              | Class-D Amplifiers Mono + Stereo              |  |  |  |  |
|                                                              | Audio Processors                              |  |  |  |  |
|                                                              | Electronic Volume Controllers                 |  |  |  |  |
|                                                              | Surround & Sound Enhancement ICs              |  |  |  |  |
|                                                              | DSPs                                          |  |  |  |  |
|                                                              | Video Switches and Video Amplifiers           |  |  |  |  |
| Operational Amplifiers                                       | Operational Amplifiers & Comparators          |  |  |  |  |
| Analog Front Ends                                            | Analog Front Ends / Signal Conditioners       |  |  |  |  |
| Data Converters                                              | ADCs                                          |  |  |  |  |
| Crystals & Oscillators                                       | Crystals                                      |  |  |  |  |
|                                                              | Crystal Oscillators                           |  |  |  |  |
|                                                              | OCXOs, VCXOs, VCSOs, TCXOs                    |  |  |  |  |
|                                                              | Real Time Clocks                              |  |  |  |  |
| Filters                                                      | Crystal & LC Filters                          |  |  |  |  |
|                                                              | SAW Filters                                   |  |  |  |  |
| Sales Territories                                            | DACH                                          |  |  |  |  |
|                                                              | BeNeLux                                       |  |  |  |  |
|                                                              | Eastern Europe                                |  |  |  |  |

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”

## Partnership means taking over responsibility

In the dynamic electronic components market, reliable partnerships are of supreme value. That is why we, the MEV Elektronik Service GmbH team, particularly appreciate such partnerships in which we are working both with our suppliers and our customers.

Innovative technologies by renowned manufacturers, highly specialized support by our application experts and transparent communication – these are the MEV attributes.

Wherever you set your priorities, we take care of the selection and procurement of the optimal components and give advice with regard to alternative solutions – even including own laboratory support – and ensure smooth logistics.

Thus, we ensure high-quality and functionally perfect complete solutions and at the same time make a decisive contribution to efficient production resulting in a cost-optimized overall concept.

## We are working on making your visions come true

Your visions are our challenges. Our team and our many years of experience are the basis for making these visions come true.

With our philosophy and a sound growth policy we are in a good position to meet the continuously increasing demands of an expanding

market at any time.

And wherever we have not reached maximum performance yet, we are working on it. That's a promise!





## Logistics

Customized Concepts  
C-Parts-Management  
KANBAN, POD, STL  
Logistics Concepts  
EDI

## Quality Management-System

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