



ES Components

Cage Code: 0R708

ES Components Capabilities and Franchises

ES COMPONENTS FRANCHISED DISTRIBUTION: NAICS 423690

- Full service “Hirel” Component Distributor since 1981
 - Package Parts
 - JAN / JANTX / JANTXV / JANS / JANSR devices, from stock or short lead time
 - Diodes and Transistors (including RAD tolerant), SCRs, MOSFETs, and JFETs
 - Integrated Circuits (ICs), Optocouplers, Analog Switches
 - Resistors, Capacitors, Inductors
 - Bare Die
 - Active and Passive components for all “chip & wire” hybrid / MCM applications
 - In-House Applications and Process Engineering expertise
 - “Discrete Semiconductor / Thin Film Resistor / MLCC Superstore”
 - Diodes and Transistors, SCRs, MOSFETs and JFETs (including JANHC, JANKC and Rad Tolerant)
 - Integrated Circuits (ICs), Optocouplers, Analog Switches
 - Resistors, Capacitors, Inductors
 - Element Evaluation and Rad Test sample support for all product lines
- Current Franchises:
 - **Vishay** – All Die and Packaged products from all divisions
 - EFI, Dale, Gen Semi, IR Divested, Sfernice, Siliconix, Vitramon, others
 - **Microchip** – All Die and Packaged products from all divisions
 - Atmel, Micrel, **Microsemi**, PhaseLink, Supertex, Vectron
 - **VPT Components** – All Die and Packaged products
 - **Semicoa** – All Die and Packaged products
 - **Sensitron** – Die only
 - **IceMos** – All Die and Packaged products
 - **LS Mtron** – All Die and Packaged products
 - **Nikkohm** – All Die and Packaged products
 - **Skyworks** Defense and Space (formerly Isolink) – All Die and Packaged products
 - **Knowles** – Novacap, Compex, Dielectric Labs, Syfer – All Die and Packaged products
 - **Vishay Precision Group** – VPG: All VPG, Powertron and Alpha Foil Resistors
 - **SiTime** – MEMs Oscillator Products: All Products and MIL up-screening services
 - **Good-Ark** – Die only
 - **Diodes Inc. /Zetex** – Die only
 - **Semikron** – Die only



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ES COMPONENTS MANUFACTURING: NAICS 334413

- MILITARY, DEFENSE, AEROSPACE, and MEDICAL SOLUTIONS
 - DLA Certified MIL-PRF-38535 (QML Listed) – Class Q Monolithic ICs
 - Siliconix Asset Acquisition in 2017
 - Hermetic JFETs, MOSFETs, Analog Switches and Multiplexers
 - JTX, JTXV, JANS, /883B, DLA certified
 - Equivalent (Upscreen) JANS, JANTX and Class Q flows (-2 and -3)
 - Build to print; Customer's Drawings / SCDs and any hermetic package
- OBSOLESCENCE SOLUTIONS:
 - Siliconix hermetic devices (see above)
 - Custom Hirel Packaging to MIL-PRF-19500 and MIL-PRF-38535 equivalent
 - DMSMS Die / wafer stock
 - Customer Drawing / SCD flows
 - Hermetic packages: thru-hole, Flat Pack, LCC, TO cans, etc
 - Small Signal Zener Diode Die (Fairchild / On Semi alternatives)
 - Fairchild Diode/Transistor Die and Package Part Alternatives
 - Analog / Mixed Signal / Custom ASIC's including Rad Hard, Analog, Bipolar Logic
- ES COMPONENTS ADDED VALUE SERVICES:
 - Inventory Management Programs:
 - VMI (Vendor Managed Inventory); JIT (Just-In-Time); Bonded Inventory; KanBan: customized support
 - Die Bank Services – Protected Long Term Storage capabilities
 - Semiconductor services:
 - Tin/Lead (SnPb) lead finish
 - Date Code re-certification
 - QCI, Element Evaluation, and Lot Acceptance Testing (LAT)
 - Single Lot Date Code (SLDC) sorting and traceability
 - COTS Up-screening



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ES COMPONENTS CERTIFICATIONS:

- Woman Owned Business Enterprise (WBENC National Certification)
- MIL-PRF-38535 (DLA Certified – Class Q Monolithic ICS)
- QSLD / JESD31 (DLA Certified - Military Distribution)
- QTSL (DLA Certified – Military Testing)
- ISO9001:2015 (NQA Certified - Distribution & Supply Chain Management)
- AS9120:2016 (NQA Certified - Aerospace Distribution & Supply Chain Management)
- AS6081:2012 (NQA Certified - Counterfeit Avoidance)
- ITAR Registered and GIDEP Member