



# ES Components

Certified Woman Owned

A Franchised Distributor  
and Certified Manufacturer

108 Pratts Junction Road  
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sales@escomponents.com

## Product Solutions for all High Reliability Markets: Aerospace – Energy - Industrial – Medical Implant - Military



- **Siliconix** Asset Acquisition
- Hermetic JFET, MOSFET and Analog Switches
- JTX, JTXV, JANS, /883B
- ESC -2 flow and all SCD's
- Thru-hole and SMT versions
- Custom Hirel Packaging to 19500 and 38535 equivalent
- Extensive DMS Die stock
- COTS Up-screening
- Tin/Lead (SnPb) lead finish
- QCI, Element Evaluation, and LAT testing offered
- Small Signal Zener Diodes
- VMI (Vendor Managed Inventory)
- **Obsolescence Solutions!**



**MICROCHIP**

Aerospace and Defense

*Rad Hard  
Mosfets & IC's*

Atmel

MICREL

PLI PhaseLink  
Corporation

Supertex

Coming soon:

Microsemi



Aerospace and Defense

- Dale & Duluth
- Electro-Films (EFI)
- Gen Semi
- IR Divested
- Optoelectronics
- Semiconductors
- Sfernice
- Siliconix
- Sprague
- Vishay Thin-Film
- Vitramon



**MEMS Timing Products**

**OCXO – TCXO – VCXO  
XO – DCXO – VCTCXO**

Mil Temp / Auto / Industrial  
MEMS for Hirel Applications  
EMERALD robust OCXO's  
ENDURA ruggedized solutions  
COTS Military upscreening to  
MIL-PRF-55310 equivalent

Alternative to:  
**Quartz Crystal**



**Novacap MLCC's**

**SimpleChips Technology**

**Hirel Power ASIC's**  
Analog & Mixed Signal

**Rad Hard** by design

Alternative to:  
**ASIC Advantage**

**SENSITRON  
SEMICONDUCTOR**

**SEMICOA**

**VPT  
COMPONENTS**

**AE Alpha Electronics**  
A VPG Brand

**POWERTRON**  
A VPG Brand

**VISHAY FOIL  
RESISTORS**  
A VPG Brand



Defense and Space Division

**ISOLINK**



**Sendyne**

**LS Mtron**  
ULTRACAPACITORS

**SEMIKRON**  
innovation + service

**ZETEX**  
SEMICONDUCTORS

### About ES Components:

ES Components LLC has been a supplier of High Reliability components since 1981!

Franchised Distributor, Custom Packaging, and now DLA certified Manufacturer



Rev: C9.2 2/26/19





**ESC Certifications:**

QSLD / JESD31  
 ISO9001:2015  
 AS9120:2016  
 AS6081:2012 (Counterfeit Avoidance)  
 ITAR Registered / GIDEP Member  
 Woman Owned Business Enterprise

**SINCE 1981!**  
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yellow field = DLA CERTIFIED

- Good Ark Semiconductor
- LS Mtron
- Microchip: Micrel - Atmel - MSCC
- Nikkohm
- Semicoa
- Semikron
- Sendyne
- Sensitron ( Die only )
- SimpleChips Technology
- SiTime
- Skyworks DSD / Isolink
- Vishay EFI, Sfernice, VTF
- Vishay Dale / Duluth Hirel
- Vishay Diodes (Gen Semi)
- Vishay Optoelectronics
- Vishay - Siliconix
- Vishay - Sprague, Vitramon
- Vishay Precision Group
- VPT Components
- Zetex (Division of Diodes Inc)
- ESC Legacy Products

		Good Ark Semiconductor	LS Mtron	Microchip: Micrel - Atmel - MSCC	Nikkohm	Semicoa	Semikron	Sendyne	Sensitron ( Die only )	SimpleChips Technology	SiTime	Skyworks DSD / Isolink	Vishay EFI, Sfernice, VTF	Vishay Dale / Duluth Hirel	Vishay Diodes (Gen Semi)	Vishay Optoelectronics	Vishay - Siliconix	Vishay - Sprague, Vitramon	Vishay Precision Group	VPT Components	Zetex (Division of Diodes Inc)	ESC Legacy Products			
Actives	ASICS	Analog & Mixed Signal; <i>Rad Hard</i> , 200C; 1KV								RH															
		Digital: Memories, Processors; <i>Rad Hard</i>			RH																				
	Diodes	JANHC, JANKC1N Diodes																							
		High Voltage Diodes (1600V)																							
		Power Rectifiers & Schottky, PV Cell Bypass																							
		Power Zeners, TVS																							
		Small Signal Zener, Switching																							
	High-Frequency RF/Microwave	Pin, Varactor, Limiter, Schottky Diodes																							
		LNA's, Custom RF Assemblies																							
		Medium Power RF Transistors																							
	Integrated Circuits	Analog Switches <b>883 / 38535 versions</b>																							
		LDO's, Op-Amps, Comparators																							
		Memories, FPGAs, EEPROM, Flash									RH														
		MOSFET Drivers									RH														
		Microprocessors, PIC's									RH														
	Mosfets and Transistors	JANHC, KC, KCR, KCF 2N Bipolar; <i>Rad Hard</i>																							
		MOSFETs to 650V; JFET's <i>JTXV now; JANS soon</i>																							
		<i>Rad Hard Mosfets (coming soon!)</i>									RH														
Opto Devices	Optocouplers; Optoelectronics																								
Timing	MEM's alternatives to Crystal solutions																								
ESC Acquisition of the Siliconix Hermetic Semiconductor Portfolio : <b>DLA certified</b> JFET's, MOSFET's, ANALOG SWITCHES																									
Hermetic Thru Hole, Surface Mount (new), and Bare Die; JANTXV now, JANS coming! See ESC Legacy Brochure																									
Passives	Capacitors	CDR, MIL, DSCC, Hirel MLCC's																							
		MIL-PRF-123 PME MLCCs (12 week Delivery!)																							
		Extended Range PME 123 Equivalents																							
		Wire Bondable MOS / Silicon																							
		Tantalum Capacitors																							
	High Frequency RF/Microwave	ULTRACAPACITORS (3KF+) caps / modules / cells																							
		Attenuators (1db steps to 10db), Switches																							
		HiFreq / HiQ MLCC's; 200C; ATC alternatives;																							
		Wire Bondable MOS CAPS; Spiral Inductors																							
	Inductors	Thin Film Substrates; side wall devices																							
		Wire Bondable Spiral Inductors																							
		Hirel Power Inductors (ILHP / ILHM)																							
	Resistors	Custom Space Grade Magnetics (ITAR)																							
		Calibration Standards																							
		Current Sensing, Shunt, IGBR's																							
		High Power / High Energy Load Dump Resistors																							
	Substrates	Metal Foil Ultra Precision Resistors																							
		Thin Film Resistors, Networks																							
RF & Power Substrates with localized heat sinks; Al + Au wirebond Mono-Metallic																									
SENDYNE	Ultra Precision Current Measurement, 3mA to 1000A+; Ground Fault Detection; see ESC Energy Brochure																								