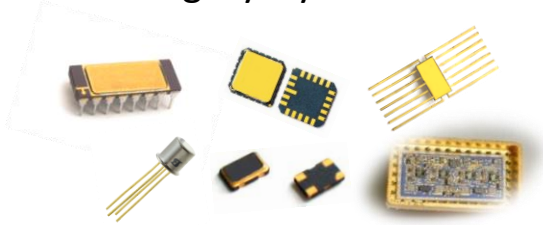


ESC Solutions for Legacy Supply Issues

Turn-Key Custom Packaging

Hermetic Hirel Semiconductors
and Legacy Hybrid Devices



- Monolithic Semiconductors
 - 38535 equivalent
 - 19500 equivalent
 - Source Control Drawings
- Hybrid / Multi-Chip Modules
 - 38534 equivalent

World's largest inventory of legacy Semiconductor die

(Elmo Semiconductor Corporation)



- 1974 – present Wafer/Die Bank
- Chain of Custody Documentation
- Full Lot and Wafer Traceability
- Superior Die and Wafer Storage

Hirel ASIC solutions to DMS issues

Analog & Mixed Signal ASIC's
High Voltage Solutions (to 1KV)
1.0um and 0.6um technologies
LT1009 and LM158 equivalents
Logic IC Functional Equivalents
Rad Hard available "by design"
On-shore wafer fabs

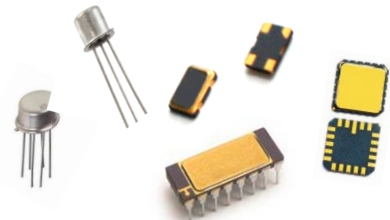
Other ESC High Reliability Services

- Tin/Lead (SnPb) Plating
- COTS Upscreening / SLDC
- Vendor Managed Inventories



"Siliconix Inside" Hermetic Semiconductors

DLA Certified JFETs – Mosfets - Analog Switches



JANTX/TXV now, JANS coming
Thru-hole and Surface Mount

ESC-2 devices: "Hirel Light"*

*See ESC -2 Screening Flow vs. JAN Flow

SCD's and Custom Packaging

Bare Die (including class H and class K)

ESC Certifications:

Woman Owned Small Business Enterprise
MIL PRF 38535
QSLD / JESD31
ISO9001:2015
AS9120:2016
AS6081:2012
ITAR Registered
GIDEP Member

CAGE CODE:
OR708





ES Components



A Franchised Distributor and
DLA certified Semiconductor Manufacturer

108 Pratts Junction Road
Sterling, MA 01564
P: 978-422-7641

www.escomponents.com

Sales support: sales@escomponents.com

10 Reasons why ES Components should be your 1st choice for DMSMS Solutions:

1. We understand the importance of DETAIL! We meet the requirements of Military Specifications and SCD's (Source Control Drawings) including documentation the first time, every time!
2. Continued supply of Siliconix Military and Hermetic Components including MIL-PRF-19500 and MIL-PRF-38535 JAN and /883 certified devices
3. World's largest diverse inventory of Legacy Bare Die & Wafers, Nitrogen stored, having Chain of Custody, awaiting your packaging and screening requirements!
4. Custom Design, Form, Fit, Function alternatives including Monolithic, Hybrid Legacy, and ASIC Solutions.
5. Quality Conformance Inspections / Lot Acceptance Testing to all flows including MIL-PRF-19500, 38510, 38534, 38535, and all Custom Flows to "S" Level and beyond; Support Radiation Tolerance testing of non-Rad Hard devices including hermetic canned sample assembly and marking with wafer traceability.
6. Fully Certified Supplier: ISO9001:2015, AS9120:2016, AS6081 (counterfeit avoidance), MIL-PRF-38535, QSLD (DLA Qualified Supplier List Distribution); ITAR Registered and GIDEP Member
7. Years of Experience: Since 1981 we have been working with Military and Aerospace Customer Specifications in support of hybrid components (die) and DMSMS Solutions
8. Woman Owned Small Business Enterprise (WBEN Certified)
9. History of DMSMS Support, see ESC Website for additional detail
10. ESC Counterfeit Avoidance Commitment and Element Evaluation; see ESC website for additional detail