Find out how we can simplify your life...

Distribution Services
Obsolescence Management
Value Added Services
Custom Packaging
Material Management
Product Offerings

Since our inception in 1993, All Tech Electronics has established itself as a franchised stocking distributor and DMS Obsolescence solutions provider, specializing in military grade high reliability semiconductor products and Value Added Services. Our partnerships with quality manufacturers assures you that you can find all the parts you need — even custom or obsolete parts — in one place and not have to compromise on quality or price.

We are an AS9120 & ISO 9001:2008 Franchised Certified SBD providing products and services to the following standards:

- MIL-STD-188
- MIL-STD-810
- MIL-PRF-38534 & MIL-PRF-38535

For solder coverage:
- GHS-STD-006 - Requirements for robotic solder on electronic components;
- IPC/ANSI J-STD-001 - For Trim and Forming and Hot Solder Dip
- IPC/ANSI J-STD-002 - For Solderability Test
- ANSI STANDARD 1024-1 - For Tape & Reeling

### Diodes

- Rectifiers
- Bridge Rectifiers
  - Full Voltage Rectifiers (Power Diodes)
  - Half-Wave Rectifiers (Power Diodes)
  - Schottky
- Silicon Switching
- Switching diodes
- TVS Rectifiers
- Ultra-Fast Rectifiers
- Zener diodes, TC Zener

### Regulators

- Current regulators
- Temperature compensated Zener

### Transistors

- Bipolar
- ECL – High Bandwidth
  - Half-Wave, High Current Assemblies
  - Half-Wave, High Voltage Assemblies
  - Half-Voltage + (High/Med/Low) Power
- MOSFET
- Power transistors
- RF Small Signal
- Silicon Darlington
- Silicon Dual Enhancement Mode
  - Single Phase/Center Tap and Doubler Assemblies
- Single Phase Full Wave Bridge Assemblies
- Small Signal
  - Three Phase Full Wave Bridges, Carrier
  - Tap and Doubler Assemblies

### Capacitors

- High Voltage Capacitors

### Resistors

- Ceramic
- Precision Foil
- Silicon
- Thick or Thin Film

### Integrated Circuit

- Custom Packaging
- Hybrid/MCM
- Multichip

### Power Line Communications

- Display PLCC Modules
- Universal Power PLCC Modules

### Power Management

- AC/DC/AC Converters
- AC/DC/AC/DC Converters
- DC/DC Converters
- DC/DC Converters
- DC/AC/DC Converters
- ESD/DIE Devices

### Standards

- EEC/DIE
- EEC/DIE
- EEC/AC/DC
- EEC/BICC
- EEC/Qor
- EEC/SAM
- EEC/TIE
- EEC/AM
- EEC/TIE

### Circuit Protection

- ESD Protection
- EMI/RFI Noise Suppression
- EMI/RFI Noise Suppression

### Display & Interface

- LCD
- LED
- LED
- LED
- LED

### Power Amplifiers

- High Voltage Amplifiers
- High Current Amplifiers
- High Power Amplifiers

### Semiconductors

- Bipolar
- MOSFET
- Power MOSFET
- Power Bipolar
- Power Bipolar

### Memory

- SRAM
- DRAM
- DMS
- EDS

### Analog

- Linear
- Analog
- Analog

### Bluetooth

- Bluetooth
- Bluetooth
- Bluetooth
- Bluetooth
- Bluetooth

### Wireless

- 802.15.4
- 802.11
- 802.11
- 802.11
- 802.11

### USB

- USB
- USB
- USB
- USB
- USB

### HDMI

- HDMI
- HDMI
- HDMI
- HDMI
- HDMI

### Ethernet

- Ethernet
- Ethernet
- Ethernet
- Ethernet
- Ethernet

### IoT

- IoT
- IoT
- IoT
- IoT
- IoT

### Camera

- Camera
- Camera
- Camera
- Camera
- Camera

### Audio

- Audio
- Audio
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- Audio
- Audio

### Security

- Security
- Security
- Security
- Security
- Security

### Optical

- Optical
- Optical
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- Optical
- Optical

### Software

- Software
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- Software
- Software

### DMS Obsolescence

- DMS Obsolescence
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- DMS Obsolescence

### Motor Controllers

- Motor Controllers
  - 3-Phase BLDC Motor Driver Assembly
  - Output to 20A, 1200V
  - Motor Controller System
  - Motor Control Box

### Magnetics

- Common
- Differential
- Inductor
- Self-Loaded
- Transformer

### Filters

- Filters
- Inductor

### Power

- Power
- Power
- Power
- Power
- Power

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**Product Offerings**

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- ESD/DIE Devices
- Standards
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- EEC/SAM
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- Coaxial
- Circuit Protection
- ESD Protection
- EMI/RFI Noise Suppression
- Display & Interface
- LCD
- LED
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- DRAM
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- Camera
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- Software
- DMS Obsolescence
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**Since our inception in 1993, All Tech Electronics has established itself as a franchised stocking distributor and DMS Obsolescence solutions provider, specializing in military grade high reliability semiconductor products and Value Added Services. Our partnerships with quality manufacturers assures you that you can find all the parts you need — even custom or obsolete parts — in one place and not have to compromise on quality or price.**
All Tech Electronics has a complete portfolio of products qualified for industrial to space level applications. Our offering includes products from industry leaders listed here. In addition to our standard product offering we offer a comprehensive package of services including DMS Obsolescence, Custom Packaging, Test and Value Added Services. All products and services have undergone rigorous qualification processes in order to ensure suitability for the demanding environment that you work in every day.

Mil-Specs Available

Diodes & Transistors
- M19500 - JAN, JAN/TX, JAN/TX/J, JAN 'S' SDX, MX
- IC's - M38510, 883, DQSC, SMD, 5962, Rad Tolerant, Space

Connectors - M55302, 28748

Products and Services

- Diodes
- Transistors
- Hi Rel Memory
- Linear ICs
- Connectors
- R&D/Her Devices
- R&D Tolerant Devices
- Custom Device Packaging
- COTS / PEMS

Our Franchised Manufacturing Partners

Integrated Circuits

Anso Systems Dresden
- serial SPI, nVSRAM, serial (PC)
- nVSRAM, parallel SPI/RAM
- analog-to-digital converters, digital-to-analog converters, data acquisition systems, image processors, custom solutions.

Delal Inc.
- semiconductor radio frequency integrated circuits (RFICs)
- DC-DC power management space products

E2v Peregrine
- I/O microcontroller
- Die Banking
- PCB Rework
- Package Trim & Form

Micros Components

Berming Hard Semiconductor / Msys Technology
- North Palm Technology / One Supply/STS Silicon 300
- steam, dram, sam, apom, apom, sdm, linear, ecd, memory, custom packaging flash, dtz, die, 11mil memory, custom packaging, value added services

Stacked Technologies / Micros Components
- sram, ssd, custom packaging

Pyramid Semiconductor
- E2v
- high reliability IC's, microprocessors, data converters, ppm, custom packaging, test & assembly

Trusted Semiconductor
-asic design, analog, mixed signal, etc.

Diodes and Transistors

- diodes - silicon, schottky, diode, n-typ, p-type, npn, pnp
- switches, amplifiers, limiters, silicon (Si) and gallium arsenide (GaAs)

- small signal, rf and power transistors, mil-spc

- diodes, thyristors, power discrete, rectifier assemblies

- devices, power transistors, diodes, rectifiers, power hybrids

- diodes rectifiers, thyristors, small signal diodes

Electromechanical and Passive

Vanguard
- electronics power magnetics, RF inductors / transformers

Gowanda
- electronics high reliability RF and power inductors, transformers, and magnetics

Incon Connector
- pc board, rack and panel

State of the Art
- high reliability resistive components
Since its founding in 1993, All Tech has become the most recognized Small Disadvantaged Business (SDB) distributor serving the defense and aerospace community. In our nearly three decades, we have developed a diverse network of partners to give our customers the best of both worlds – access to the comprehensive resources they need combined with the flexibility and service only a small business can deliver.

simplifying DISTRIBUTION

All Tech is a full service AS9120 and ISO 9001:2008 Certified franchised stocking distributor and DMS Obsolescence solutions provider.

A Franchised Small Disadvantaged
Business Option

As aerospace specification 5553 directs OEM’s to use franchised sources only, All Tech Electronics is a natural choice with the added benefit of being an SDB (Small Disadvantaged Business).

Over the years, we’ve added a range of services designed for a complete end-to-end solution to help simplify sourcing for our clients with:

- Custom Packaging and Material Management so you can get parts to your exact specifications without having to outsource to multiple suppliers.
- DMS Obsolescence Management to protect the integrity of your product through its entire life cycle
- Other Value Added Services including BGA reballing, tape and reel, trim and form, among others

What Makes Us Different

When you choose All Tech, you are working directly with a decision maker in our company. By developing relationships with a wide variety of packaging and test houses, we give you access to a number of services all in one place. With these resources, we are able to respond to your needs much faster than many of our competitors. We can deliver your product the way you want it, when and how you want it.

Our Clients

A critical factor in our success has been the overwhelming support our programs receives from the largest defense contractors in the industry. Manufacturers of defense systems have established very aggressive goals and high standards regarding the use of SDB companies when sourcing electronic components.

All Tech holds corporate pricing agreements and is a preferred supplier with the following customers to name a few:

Company Statistics

Established: 1993
Status: Certified Small Disadvantaged Business by National Minority Business Council
Business: Franchised / Authorized Supplier of High Reliability, Mil Spec, Space and Commercial Semiconductor products to the Defense, Aerospace and Space Markets
Product Offering: Diodes, transistors, and integrated circuits as well as magnetic and passive products. A DMS Obsolescence solutions provider with decades of product expertise providing Value Added programs and services.

Quality Overview:
- AS9120 & ISO 9001:2008 GIDEP – Member
- JEDEC – Participant
- International Aerospace Quality Group (IAQG) – Registered QSLD Certified Distributor

CORPORATE PROFILE

DLA/DSCC
QSLD
Program
JESD 31
JESD 625
AS9146
AS5553
AS4096

BOEING
BAE SYSTEMS
NORTHROP GRUMMAN
LOCKHEED MARTIN
COLLINS AEROSPACE
Because it can be years from design to production, All Tech offers a full range of services to help you minimize the impact that rapidly changing technology can have on your end products. As a full service DMS/Obsolescence solutions provider to the defense, aerospace and space applications market – we deliver all the necessary tools to solve and manage your ongoing DMS challenges.

**DMS Tools from All Tech Electronics**

**Electrical Testing and Up-Screening**
- Die and Water P Banking and Vauling
- Product Packaging and Assembly
- Die, Water and Package-Level Testing and Up-Screening
- EDA
- Counterfeit Mitigation
- Custom Silicon ASIC/Hybrid Assembly and Testing

**Semiconductor Solutions**
- Form, Fit and Function Direct Replacement of FPGA with ASIC
- Replacement Parts for Legacy FPGA’s
- “Trusted” Real Hard solutions available

All Tech also gives you a reliable, quality alternative to in house resources with:
- Multiple focused resources available
- EE Resource for technical support
- Cross product functionality
- Multi level quote capabilities
- Multi source solutions

No matter what your need, we work with multiple resources and leverage their combined capabilities to deliver a completely finished solution. Choosing All Tech Electronics as a partner is also an effective way to develop new resources to complement the work done in-house with your own people.

**Obsolescence Solutions**
- Commercial, Industrial, Military and Space Level Solutions
- Multiple Package & Assembly Options
- Full electrical test from -55 to 200°C +
- Mitigates “Counterfeit Mitigation”
- Evaluation units may be available prior to commitment

**Custom Packaging, Assembly and Test**
- QML Certified MIL-PRF-38535 & 38534 Sources
- Die/Water Banking and Package level Testing/up-screening
- Full custom silicon ASIC/Hybrid assembly and test (Trusted facility)
- FPGA to ASIC conversions
- Full Test and Foundry Services Available (Trusted Options Available)
- Full Value added services program from Reballing to Tape and reeling

**Bill of Material Analysis**
We can also do a risk analysis for you – identifying which parts are high risk and making recommendations on how best to manage obsolescence, whether that’s developing new sources for parts or identifying replacement parts. Once we develop an obsolescence solution, we can design and manage that through our Material Management program.

**Quality Initiatives**
At All Tech Electronics, we only source from Original Component Manufacturers and we maintain control over the entire process. This helps us eliminate any risk that your design will be compromised by counterfeit parts.

As we are ISO 9001 and AS9120 certified, we distribute products using the highest quality and reliability standards including documentation, purchase order approval process, incoming product inspection, inventory checks, shipping inspection and continuous improvement.

**Making Obsolescence Obsolete**
In response to the concerns of our clients along with changes we have witnessed in the aerospace and defense market, All Tech Electronics has developed a Value Added Services program to streamline and simplify component modification processes. We continue to survey our customers and adapt to evolving marketplace needs adding new services as required.

**Flexible Solutions**

To meet your component modification and testing needs, All Tech offers a suite of Value Added Services to address many of your component modification and testing needs.

**Affordable BGA Reballing and Restoration Services**

That includes RoHS to SnPb conversions as well as SnPb conversions necessary for RoHS-compliant manufacturers to continue a leaded process.

Flexible services for automated and manual taping based on industry standards for a wide variety of standard surface mount, radial, axial and custom component package types.

**Automated tinning services** for restoring the finish and soldering properties of leads in both through-hole and surface mount devices as well as RoHS to SnPb and SnPb to RoHS conversions.

**Trim and form services** with automatic and manual processing, extensive cropping and forming capabilities, active and passive component processing, axial to radial lead forming servicing and snap-in and stand-off forms.

We also give you access to services such as bake and dry pack, PCB refurbishment, die banking solutions, upscreening components and more. Our goal is to provide a comprehensive, complimentary and competitive service for electronic manufacturing and component distribution.

**Semiconductor Services**

All Tech also offers:

- Upscreened Components – “up screening” components to meet your requirements. We will process lot sizes from small to high production volumes.
- Value added processing and supply of Semiconductor Bare Die
- Die Banking solutions.
- An All Tech sales rep is ready to discuss your requirements!

**Custom Products and Services**

Flexible Solutions

- Diodes
- Transistors
- Hi Rel Memory
- Linear IC’s
- Connectors
- RAD Hard Devices
- RAD Tolerant Devices
- Custom Device Packaging
- COTS / FEMS

We also give you access to services such as bake and dry pack, PCB refurbishment, die banking solutions, upscreening components and more. Our goal is to provide a comprehensive, complimentary and competitive service for electronic manufacturing and component distribution.

All Tech has provided Value Added Services on hundreds of thousands of components in our 25+ year history.
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