

# ***XTREME*** ***Semiconductor***



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## About *XTREME* Semiconductor....

*XTREME* Semiconductor, located just outside of Austin Texas, was founded in 2004 as a “Solutions Company” focused on providing our customers with unique and viable solutions to product obsolescence problems. Our commitment is to provide our customers with a reliable, long-term, and dedicated source of microelectronic products.



*XTREME* Semiconductor is a full service company offering our customers the unique experience of being able to go to one source for their entire high reliability product needs. Whether you are in need of an industry standard product or a custom microcircuit, make *XTREME* Semiconductor your first stop.



This is what makes *XTREME* Semiconductor “Your One-Stop Solutions Company” for product Obsolescence Support.

*XTREME* Semiconductor executive management and manufacturing team brings more than 60 years of experience in servicing the unique needs of our military, aerospace and space customers. Our team can assist you with product support from a growing list of standard military products, sourcing of hard-to-find obsolete products, providing design and manufacturing support for custom products or providing one of the many critical services you need to support your system design.



Early in 2005, *XTREME* Semiconductor obtained DSCC MIL-PRF-38535 QML certification MIL-STD-883 Lab Suitability. Having QML certification allows *XTREME* Semiconductor to manufacture critical semiconductor products meeting the original standard military drawing (SMD) or process to the original OEM specifications meeting stringent MIL-STD-883 requirements. In 2010, *XTREME* Semiconductor received DLA QSLD Certification as a trusted supplier of critical microelectronics to the Military. *XTREME* Semiconductor proudly supports industry initiatives to stop the proliferation of Counterfeit product and is a proud member of ERAI since 2007.



*Unique Solutions, Quality and Reliability*, is what you can expect from your *XTREME* Semiconductor experience.



# ***XTREME Semiconductor Vision....***

## ***MISSION STATEMENT***

To be the “***Best in Class***” solution for the Trailing Edge Technology and Obsolete products by providing a long-term, reliable, and dedicated source of supply for critical microelectronic products and services



## ***QUALITY STATEMENT***

To continually develop and improve internal and external capabilities, supply chain management, services and sourcing options providing a “***Best in Class***” solution for customers needing high reliability microcircuits and services.



# XTREME Semiconductor Solutions....

- **High Reliability Products....**

- Ceramic, metal can, monolithic and multi-chip modules



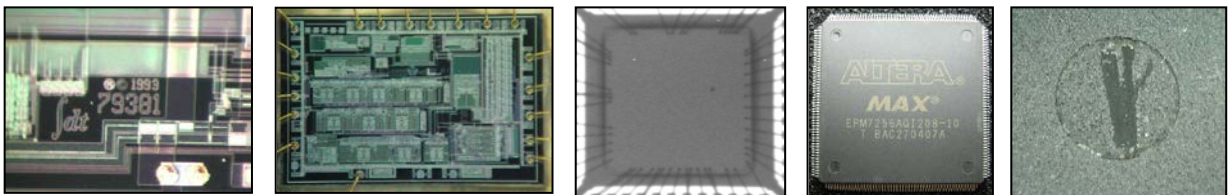
- **Complete Manufacturing Capabilities....**

- MIL-PRF-38535 QML Certified



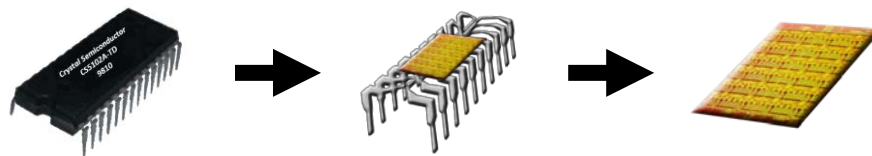
- **XTREME Semiconductor Certified EOL Product....**

- Risk Mitigation against Counterfeit Products
- Guaranteed Authentic OCM Original Product
- One Year Warranty on all *Certified EOL Product* Delivered

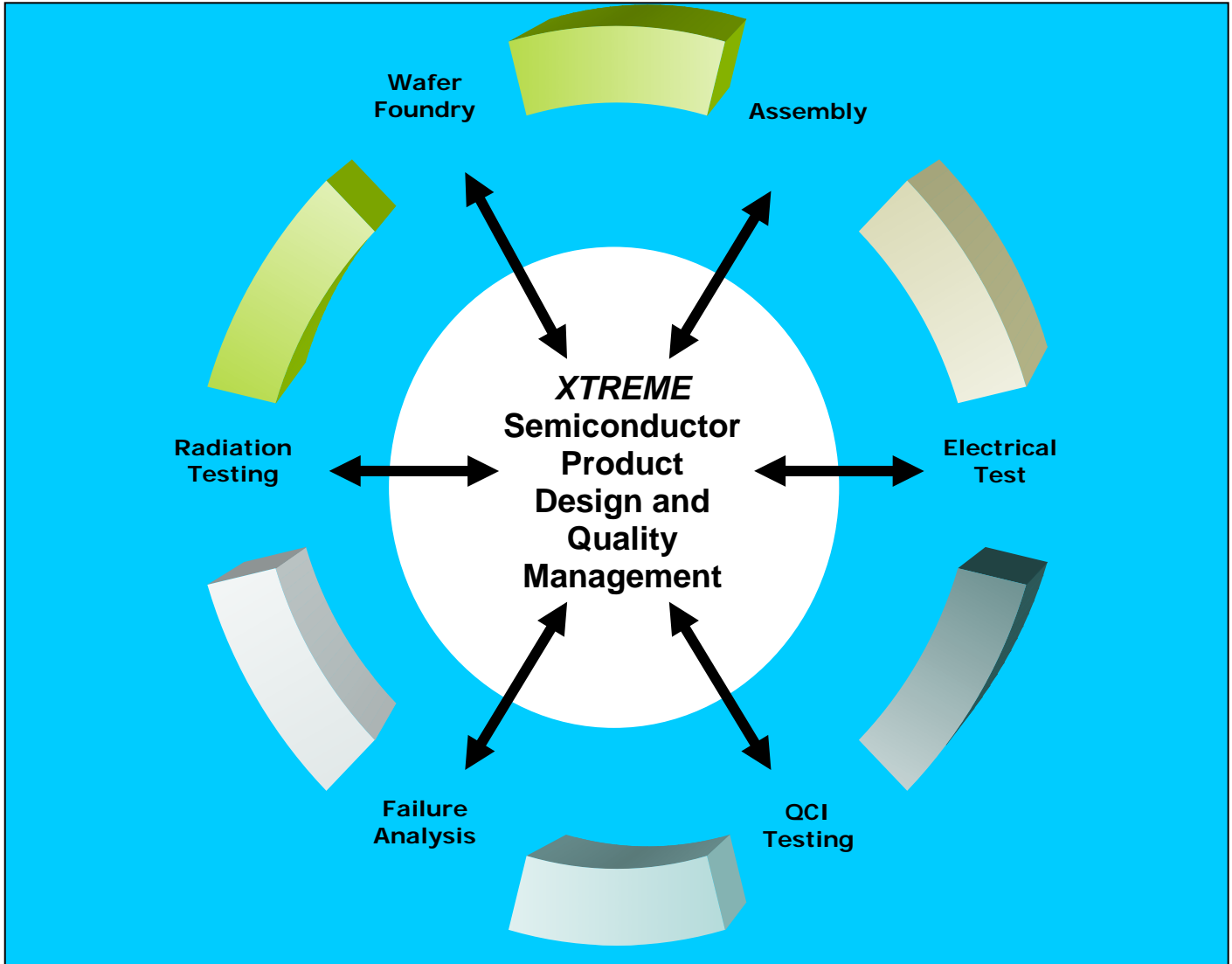


- **Chip Recovery “ChiPR” Product....**

- Breathing New Life into Obsolescence
- New Solution to Solve DMSMS Products
- Form, Fit, Functional Replacement for Obsolete Products



## ***XTREME* Semiconductor Model for Success....**



- **Achieved MIL-PRF-38535 QML Certification 2005**
- **Cost Effective: Leverages existing manufacturing capacity, maximizes capabilities and reduces overhead resulting in cost saving for our customers.**
- **All *XTREME* Semiconductor Manufacturing Partners are MIL-PRF-38535 QML Certified or have MIL-STD-883 Lab Suitability certification from DSCC.**
- **Quality processes and procedures are managed by *XTREME* Semiconductor under our MIL-PRF-38535 QM Plan.**

# XTREME Semiconductor Capabilities and Services....

XTREME Semiconductor is a full service company offering our customers the unique experience of being able to go to one source for their entire high reliability product needs. All of XTREME Semiconductor design, manufacturing and other operational processes are designed to meet demanding military specifications for quality and reliability.



All of XTREME Semiconductors capabilities meet the rigorous requirements of the military standards. XTREME offers a variety of standard screening flows to choose from. Commercial, Industrial, Military level screening is available.

All screening and testing procedures are performed in accordance with MIL-PRF-38535 and MIL-STD-883 screening and testing requirements.



- **Ceramic Package Assembly**

- Monolithic
- MCM
- Designing of Custom Packages

- **Screening**

- MIL-STD-883, QML & Standard Military Drawing (SMD)
- Commercial, Industrial, Military, and Custom Screening Flows
- Extended temperature device characterization -55°C to +200°C
- Full Environmental Testing, 100% lot screening, QCI Qualification

- **Electrical Test**

- Up-Screening
- Burn In, Dynamic & Static
- Extended Temperature Device Characterization -55°C to +200°C
- Software Development

- **Quality Conformance Inspection**

- Mil-Std 883, Lot Qualification Group A, B, C & D Testing
- Steady State Life Burn-In
- Destruct Physical Analysis (DPA)
- Hast Testing

- **Die Banking**

- Mitigating the need for costly end-of-life product procurements

- **Product Sourcing**

- Extensive world-wide network to source hard to find DMS products
- Parts Management
- Manage end-of-life (EOL) procurements

- **Plastic Assembly & Screening**

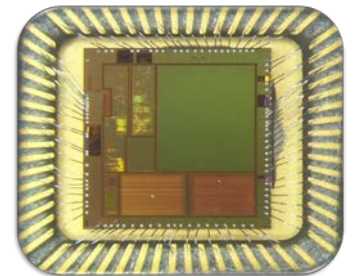
- Re-screening: Industrial & Mil-Temp



Whether you are in need of an industry standard or a custom microcircuit, make XTREME Semiconductor your first stop. XTREME Semiconductor is setting a new industry standard as a full service company offering our customers the unique experience of being able to go to one source for their entire high reliability product needs.

Let us show you what XTREME Semiconductor can do for you.

High Performance, Quality, and Reliability are what you can expect from your XTREME Semiconductor experience.



# **XTREME**

## ***Semiconductor***

### AVAILABLE STANDARD PRODUCTS



SMD PART NUMBER	XTREME SEMI PART NUMBER	RESOLUTION (RES)	PACKAGE	QUALITY LEVEL
5962-8967901QC	5012-TD12B	12-BIT	40-PIN DIP	QML LEVEL Q
5962-8967901XC	5012TE12B	12-BIT	44-PIN LCC	QML LEVEL Q
5962-8967401QC	5014-SD14B	14-BIT	40-PIN DIP	QML LEVEL Q
5962-8967401XC	5014-SE14B	14-BIT	40-PIN LCC	QML LEVEL Q
5962-8967402QC	5014-TD14B	14-BIT	40-PIN DIP	QML LEVEL Q
5962-8967402XC	5014-TE14B	14-BIT	44-PIN LCC	QML LEVEL Q
5962-8967601QA	5016-SD16B	16-BIT	40-PIN DIP	QML LEVEL Q
5962-8967601XC	5016-SE16B	16-BIT	44-PIN LCC	QML LEVEL Q
5962-8967602QC	5016-TD16B	16-BIT	40-PIN DIP	QML LEVEL Q
5962-8967602XC	5016TE-16B	16-BIT	44-PIN LCC	QML LEVEL Q
5962-9169101QXC	5101A-SD8B	16-BIT	28-PIN DIP	QML LEVEL Q
5962-9169101Q3C	5101A-SE8B	16-BIT	28-PIN LCC	QML LEVEL Q
5962-9169102QXC	5101A-TD8B	16-BIT	28-PIN DIP	QML LEVEL Q
5962-9169102Q3C	5101A-TE8B	16-BIT	28-PIN LCC	QML LEVEL Q
5962-9169201QXC	5102A-SDB	16-BIT	28-PIN DIP	QML LEVEL Q
5962-9169201Q3C	5102A-SEB	16-BIT	28-PIN LCC	QML LEVEL Q
5962-9169202QXC	5102A-TDB	16-BIT	28-PIN DIP	QML LEVEL Q
5962-9169202Q3C	5102A-TEB	16-BIT	28-PIN LCC	QML LEVEL Q

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**“The Leader in After Market  
Product Support”**



**Let Us Work For You!**



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