



**DEFENSE LOGISTICS AGENCY**  
DEFENSE SUPPLY CENTER, COLUMBUS  
POST OFFICE BOX 3990  
COLUMBUS, OH 43218-3990

IN REPLY  
REFER TO

DSCC-VQ (VQC-06-010448/Mr. Tran/614-692-0606/dg)

May 02, 2006

**SUBJECT:** Diminishing Manufacturing Source (DMS), Level Q Transitional Certification, MIL-PRF-38535, FSC 5962

Marty Lanning  
President  
XTreme Semiconductor  
9000 Braesgate Cove  
Austin, TX 78717

Dear Mr. Lanning:

Under the requirements of MIL-PRF-38535, effective February 15, 2006, XTreme Semiconductor is granted Diminishing Manufacturing Source (DMS), level Q transitional certification and will be listed in the Qualified Manufacturers List (QML) 38535. This certification and listing includes the XTreme Semiconductor facilities and subcontractors listed in the enclosure and as documented in their Quality Management (QM) Plan, XP 001, Revision C. Any and all of these facilities are subject to an audit by the qualifying activity with a minimum notice. The manufacturer shall be responsible for all audit expenses incurred for the offshore facilities. Offshore facilities are subject to all of the conditions of MIL-PRF-38535, Appendix E.

During the transitional certification period, all qualification, Quality Conformance Inspection (QCI), and screening tests must be performed at a facility which has a DSCC-VQC Laboratory Suitability letter for the applicable test methods and conditions. Approved screening, testing, and QCI operations are baseline in XTreme Semiconductor's Laboratory Suitability Letter DSCC-VQ (VQC-06-010450) and as documented in their QM Plan, XP 001, and Revision C.

This transitional certification will include the Standard Microcircuit Drawing (SMD) products listed in the enclosure. These SMDs will also be listed in the Qualified Manufacturers List for 38535.

During the transitional certification period, XTreme Semiconductor shall work closely with the qualifying activity on major changes. XTreme Semiconductor will work with DSCC toward achieving full Q level certification.

QPL/QML manufacturers shall notify the qualifying activity immediately after learning of a potential issuance of a GIDEP alert, problem advisory or major quality/reliability problem on their QPL/QML products. Failure to provide prior notification may be grounds for removal from QML-38535.

This certification is valid until terminated by written notification from the qualifying activity.  
If warranted, certification may be withdrawn by this center at any time.

If you have any questions, please contact Mr. Vinh V. Tran at 614-692-0606.

Sincerely,

ROBERT P. EVANS  
Chief  
Sourcing and Qualification Unit

ENCLOSURE

cc:

XTreme Semiconductor (Paul Hilfer)

VQ (Alberta Petruskevich)

VQC (Scott Thomas)

VQC (Michael Grammens)

<u>OPERATION</u>	<u>FACILITY</u>	<u>LOCATION</u>	<u>TECHNOLOGY</u>
<b>Design:</b>	Cirrus Logic	Austin, TX	
<b>Mask Development</b>	AMIS	Pocatello, ID	
<b>Wafer Fabrication</b>	AMIS	Pocatello, ID	CMOS
<b>Assembly:</b>	Golden Altos	Milpitas, CA	Ceramic Hermetic Packages, 28 terminals DIP, 40 terminals DIP, 28 Square LCC, and 44 Square LCC.
	Maxwell	San Diego, CA	Ceramic Hermetic Packages, 28 terminals DIP, 40 terminals DIP, 28 Square LCC, and 44 Square LCC.
<b>Electrical Test:</b>	Maxwell Anloy Technologies	San Diego, CA Austin, TX	
<b>Others</b>			Screening as baselined by lab suitability information letter DSCC-VQC-06-010450

**Distributors:** None

**Current SMD listing:** See Attached

<b>Standard PN</b>	<b>Source</b>	<b>Vendor PN</b>	<b>EOL Date</b>	<b>Description</b>
<a href="#">5962-8967401QC</a>	<a href="#">XTREME</a>	5014-SD14B		A/D CONVERTER, 14-BIT, 14.25 µS
<a href="#">5962-8967401XC</a>	<a href="#">XTREME</a>	5014-SE14B		A/D CONVERTER, 14-BIT, 14.25 µS
<a href="#">5962-8967402QC</a>	<a href="#">XTREME</a>	5014-TD14B		A/D CONVERTER, 14-BIT, 14.25 µS
<a href="#">5962-8967402XC</a>	<a href="#">XTREME</a>	5014-TE14B		A/D CONVERTER, 14-BIT, 14.25 µS
<a href="#">5962-8967601QA</a>	<a href="#">XTREME</a>	5016-SD16B		A/D CONVERTER, 16-BIT, 16.25 µS
<a href="#">5962-8967601XA</a>	<a href="#">XTREME</a>	5016-SE16B		A/D CONVERTER, 16-BIT, 16.25 µS
<a href="#">5962-8967602QA</a>	<a href="#">XTREME</a>	5016-TD16B		A/D CONVERTER, 16-BIT, 16.25 µS
<a href="#">5962-8967602XA</a>	<a href="#">XTREME</a>	5016-TE16B		A/D CONVERTER, 16-BIT, 16.25 µS

Standard PN	Source	Vendor PN	EOL Date	Description
<a href="#">5962-8967901QC</a>	<a href="#">XTREME</a>	5012-TD12B		μS A/D CONVERTER, 12-BIT
<a href="#">5962-8967901XC</a>	<a href="#">XTREME</a>	5012-TE12B		A/D CONVERTER, 12-BIT
<a href="#">5962-9169101Q3C</a>	<a href="#">XTREME</a>	5101A-SE8B		A/D CONVERTER, 16-BIT, 100 KHZ
<a href="#">5962-9169101QXC</a>	<a href="#">XTREME</a>	5101A-SD8B		A/D CONVERTER, 16-BIT, 100 KHZ
<a href="#">5962-9169102Q3C</a>	<a href="#">XTREME</a>	5101A-TE8B		A/D CONVERTER, 16-BIT, 100 KHZ
<a href="#">5962-9169102QXC</a>	<a href="#">XTREME</a>	5101A-TD8B		A/D CONVERTER, 16-BIT, 100 KHZ
<a href="#">5962-9169201Q3C</a>	<a href="#">XTREME</a>	5102A-SEB		A/D CONVERTER, 16-BIT, 20 KHZ
<a href="#">5962-9169201QXC</a>	<a href="#">XTREME</a>	5102A-SDB		A/D CONVERTER, 16-BIT, 20 KHZ
<a href="#">5962-9169202Q3C</a>	<a href="#">XTREME</a>	5102A-TEB		A/D CONVERTER, 16-BIT, 20 KHZ
<a href="#">5962-9169202QXC</a>	<a href="#">XTREME</a>	5102A-TDB		A/D CONVERTER, 16-BIT, 20 KHZ