



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

IN REPLY
REFER TO

DSCC-VQ (VQC-06-010450/Mr. Tran/614-692-0606/dg)

May 02, 2006

SUBJECT: Laboratory Suitability for MIL-STD-883, FSC 5962

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

Dear Mr. Lanning:

Xtreme Semiconductor has demonstrated to the Defense Supply Center, Columbus (DSCC) compliance with MIL-STD-883, the test standard for integrated circuits. Xtreme Semiconductor is granted laboratory suitability, effective March 29, 2006, for the facilities, test methods and conditions shown on the enclosure. All testing for Xtreme Semiconductor's products must be performed at these facilities and in accordance with MIL-PRF-38535 and MIL-STD-883 test methods.

This laboratory suitability is subject to the conditions in DoD 4120.24-M, Defense Standardization Program.

Xtreme Semiconductor 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 utilizing these facilities and test methods listed on the enclosure. Failure to provide prior notification may be grounds for removal from QML-38535.

This laboratory suitability is valid until terminated by written notice from DSCC. If warranted, it may be withdrawn by DSCC at any time. Each of these facilities is subject to an audit by DSCC with a minimum notice.

Sincerely,

MICHAEL S. ADAMS
Chief
Custom Devices Team

Enclosure
cc:
VQC (Scott Thomas)

<u>TEST</u>	<u>METHOD/CONDITION</u>	LOCATION 1	LOCATION 2
Moisture Resistance	1004	Golden Altos	Maxwell
Steady State Life Test	1005 / Condition A - E	Golden Altos	Maxwell
Stabilization Bake	1008 NA	Golden Altos	Maxwell
Salt Atmosphere	1009 / Condition A	Golden Altos	Maxwell
Temperature Cycling	1010 / Condition C	Golden Altos	Maxwell
Thermal Shock	1011 / Condition B	Golden Altos	Maxwell
Seal	1014 / Condition A or B, C	Golden Altos	Maxwell
Burn-in	1015 / Condition A - E	Golden Altos	Maxwell
Internal Water Vapor Content	1018	Golden Altos (using DSCC certified test lab for RGA)	Maxwell (using DSCC certified test lab for RGA)
Constant Acceleration	2001 / Condition C & E	Golden Altos	Maxwell
Mechanical Shock	2002 / Condition B	Golden Altos	Maxwell
Solderability	2003	Golden Altos	Maxwell
Lead Integrity	2004 Condition B2 & D	Golden Altos	Maxwell
Vibration, Variable Frequency	2007 Condition A	Golden Altos	Maxwell
External Visual	2009 Condition B	Golden Altos	Maxwell
Internal Visual	2010 Condition B	Golden Altos	Maxwell
Bond Strength	2011 Condition D	Golden Altos	Maxwell
Internal Visual & Mechanical	2014 NA	Golden Altos	Maxwell
Resistance to Solvents	2015	Golden Altos	Maxwell
Physical Dimensions	2016	Golden Altos	Maxwell
SEM	2018 Used as Guide Line	Hi-Rel	Maxwell
Die Shear Strength	2019	Golden Altos	Maxwell
PIND	2020 / Condition A	Golden Altos	Maxwell
Glassivation Layer	2021	Golden Altos	Maxwell
Lid Torque	2024	Golden Altos	Maxwell
Adhesion of Lead Finish	2025	Golden Altos	Maxwell
Substrate Attach Strength	2027 NA	Golden Altos	Maxwell
ESDS Classification	3015 Human Body Model	Integra Technologies 1600 Wyatt Drive Suites 4,	Maxwell

		Santa Clara, CA 95054	
Electrical Test	Per MIL-STD-883 paragraph 4.5 and as specified in SMD	Anloy Technologies 1304 Wincrest Dr., Round Rock, TX 78664	Maxwell
Failure Analysis	SEM, & Destructive Physical Analysis	Hi-Rel	Maxwell