



DEFENSE LOGISTICS AGENCY
DEFENSE SUPPLY CENTER, COLUMBUS
3990 E. Broad Street
COLUMBUS, OH 43213-5000

IN REPLY
REFER TO DSCC-VQC-05-007218 (Shing Yu/614-692-0588/mjg)

February 22, 2005

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

Ms. Virginia Benguerel
Operation Manager
Silicon Turnkey Solutions
400 Industrial Park Drive
Manteca, CA 95337

Dear Ms. Benguerel:

Silicon Turnkey Solutions (STS) has demonstrated to the Defense Supply Center, Columbus (DSCC) compliance with MIL-STD-883, the test standard for integrated circuits. STS is granted laboratory suitability, effective January 26, 2005, for the facilities, test methods and conditions shown on the enclosure. All testing must be performed in accordance with MIL-PRF-38535 and MIL-STD-883 test methods.

The previous Laboratory Suitability letter (VQC-03-003116), granted to STS by the Defense Supply Center, Columbus (DSCC) is superseded by this letter.

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

QPL/QML test labs 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 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 If warranted, it may be withdrawn by DSCC at any time.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,

A handwritten signature in black ink that reads "Michael S. Adams".

MICHAEL S. ADAMS
Chief
Custom Devices Team

Enclosure

cc:

VQC Scott Thomas

VQC Michael Grammens

<u>TEST</u>	<u>METHOD/CONDITION</u>	<u>STATUS</u>	<u>LOCATION</u>
Moisture Resistance	1004	STS	Fremont
Steady State Life Test	1005 (A-D,F)	STS	Fremont
Stabilization Bake	1008 (A-F)	STS	Fremont
Salt Atmosphere	1009 (A-D)	STS	Fremont
Temperature Cycling	1010 (A-C)	STS	Fremont
Thermal Shock	1011 (A-C)	STS	Fremont
Seal	1014 (A1,C1)	STS	Fremont
Burn-in	1015 (A-D,F)	STS	Fremont
Internal Water Vapor Content	1018	SUBCON	Seal Labs El Segundo, CA 90245
Constant Acceleration	2001 (A-E)	STS	Fremont
Mechanical Shock	2002	SUBCON	DSCC Certified Lab
Solderability	2003	STS	Fremont
Lead Integrity	2004 (A,B1,B2)	STS	Fremont
Vibration	2007	SUBCON	DSCC Certified Lab
External Visual	2009	STS	Fremont
Internal Visual	2010 (A-B)	STS	Manteca
Bond Strength	2011 (D)	STS	Fremont and Manteca
Radiography	2012	SUBCON	NDT Labs Santa Clara, CA 95051
Resistance to Solvents	2015	STS	Fremont
Physical Dimensions	2016	STS	Fremont
Die Shear Strength	2019	STS	Fremont and Manteca
PIND	2020 (A-B)	STS	Fremont
Nondestructive Bond Pull	2023	STS	Manteca
Lid Torque	2024	STS	Fremont
Adhesion of Lead Finish	2025	STS	Fremont
Substrate Attach Strength	2027	STS	Manteca
ESDS Classification	3015	STS	Fremont
Electrical Test	Per MIL-STD-883 paragraph 4.5	STS	Fremont