



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

IN REPLY
REFER TO

DSCC-VQ (VQC-08-015386/Mr. Grammens/614-692-9975/mpg)

March 24, 2008

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

Mr. Zef Malik
President
Silicon Turnkey Solutions
801 Buckeye Court
Milpitas, CA 95035

Dear Mr. Malik

Based on the results of the Defense Supply Center, Columbus (DSCC) audit conducted during the week of September 20, 2007 your laboratory at 801 Buckeye Court, Milpitas CA is considered suitably equipped to perform MIL-STD-883 tests on monolithic microcircuits in accordance with the requirements of military specifications MIL-PRF-38535 and MIL-STD-883. The MIL-STD-883 tests that Silicon Turnkey Solutions is considered suitably equipped to perform are listed on the enclosure.

The previous laboratory suitability letter (VQC-06-011132, March 22, 2006) granted to Silicon Turnkey Solutions by DSCC is superseded by this letter.

Your laboratory is to maintain a record for all microcircuit testing and submit a summary annually to DSCC-VQC which will include the following as a minimum:

- a. Military part number, SMD, or MIL-STD-883 identification
- b. Date code
- c. Quantity tested
- d. Number of devices pass/fail
- e. Manufacturer
- f. Manufacturer's lot number
- g. Test method(s)/condition(s)
- h. Date test completed
- I. Qualification test report number as applicable
- j. Self audit reports with deficiencies and corrective actions

The standard reporting period is from May 1 through April 30. Your present reporting period is from May 1, 2008 through April 30, 2009.

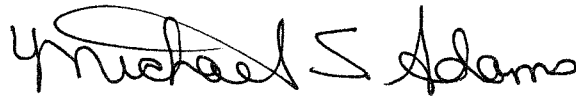


Test labs shall notify the qualifying activity immediately after learning of a potential issuance of a GIDEP alert, problem advisory or major quality/reliability problem on their military products utilizing the test methods on the attached enclosure. Failure to provide prior notification may be grounds for removal from DSCC's Commercial Lab Suitability Listing.

This laboratory suitability is valid subject to the conditions as stated in DoD 4120.24-M and SD-6. This laboratory suitability is valid until withdrawn by DSCC-VQC.

If you have any questions, please contact Mr. Grammens at (614) 692-0604.

Sincerely,

A handwritten signature in black ink that reads "Michael S. Adams". The signature is written in a cursive style with a large, sweeping initial "M".

MICHAEL S. ADAMS
Chief
Custom Devices Team

Enclosure

cc:

VQC (Michael Grammens)

VQC (Scott Thomas)

Visit us on the web at: http://www.dsc.dla.mil/offices/sourcing_and_qualification/

<u>TEST</u>	<u>METHOD/CONDITION</u>
Moisture Resistance	1004
Steady State Life Test	1005 (A-D,F)
Stabilization Bake	1008 (A-F)
Salt Atmosphere	1009 (A-D)
Temperature Cycling	1010 (A-C)
Thermal Shock	1011 (A-C)
Seal	1014 (A ₁ ,C ₁)
Burn-in	1015 (A-D,F)
Constant Acceleration	2001 (A-E)
Solderability	2003
Lead Integrity	2004 (A,B ₁ ,B ₂)
External Visual	2009
Internal Visual	2010 (A-B)
Bond Strength	2011 (D)
Resistance to Solvents	2015
Physical Dimensions	2016
Die Shear Strength	2019
PIND	2020 (A-B)
Nondestructive Bond Pull	2023
Lid Torque	2024
Adhesion of Lead Finish	2025
Substrate Attach Strength	2027
ESDS Classification	3015
Electrical Test	Note 1

Note 1: STS electrical test system are certified in compliance with MIL-STD-883 paragraph 4.5 as applicable. STS is suitable to perform electrical test over military case temperature (Tcase) of 25, 125 and -55 deg C. Electrical Test suitability does not cover individual test programs. It is the responsibility of the commercial lab to obtain a record of customer certification verifying the test setup, including hardware capabilities (resolution and accuracy) in conjunction with all software test parameters are adequate to meet the forcing and measurement conditions required for the specified device type.