



DEFENSE LOGISTICS AGENCY
LAND AND MARITIME
POST OFFICE BOX 3990
COLUMBUS, OH 43218-3990

April 11, 2018

Mr. Allen Wares
Quality Manager
Micros Components Orlando (MCO)
7725 N. Orange Blossom Trail
Orlando, FL 32810

Dear Mr. Wares:

Re: Laboratory Suitability for MIL-PRF-38535 and MIL-STD-883; FSC 5962; VQC-18-032473, Control Number: 062153

Micros Components Orlando (MCO) has demonstrated to DLA Land and Maritime compliance with MIL-PRF-38535 and MIL-STD-883. Micros is granted Laboratory Suitability for the facilities, test methods, and conditions shown on the enclosure. This Laboratory Suitability supersedes the previous Laboratory Suitability, DLA Land and Maritime-VQC-17-031305. This Laboratory Suitability also covers Micros's Commercial Laboratory Suitability. All testing must be performed in accordance with MIL-PRF-38535 and MIL-STD-883 test methods.

To maintain the Commercial Laboratory Suitability, you are required to compile a Retention Report to be submitted to DLA Land and Maritime-VQC of all devices tested to the requirements of MIL-PRF-38535 and MIL-STD-883, as follows:

1. Parts marked with the "QML", "Q", or "QD" certification mark (QML-38535 parts)
2. Parts marked with "C" or "D" certification mark (MIL-PRF-38535, appendix A, 883 compliant parts)

The Retention Report shall include the following as a minimum:

1. Military part number, SMD, or MIL-STD-883 identification
2. Date code
3. Quantity tested
4. Quantity passed/failed
5. Part manufacturer
6. Manufacturers' lot numbers
7. Test method(s)/condition(s)
8. Date test(s) completed
9. Qualification test report number as applicable
10. Self-audit report, with deficiencies and corrective actions

The standard reporting period is from 1 January through 31 December and due by 1 March of each year.

Micros shall notify DLA Land and Maritime-VQC 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 notification to the DLA Land and Maritime Qualifying Activity may be grounds for removal from the Commercial Laboratory Suitability Listing.

This Laboratory Suitability is subject to the policies, procedures, and conditions of the Defense Standardization Program, as published in DoD 4120.24-M and SD-6. This Laboratory Suitability is valid until terminated by written notice from DLA Land and Maritime-VQC. If warranted, it may be withdrawn by DLA Land and Maritime-VQC at any time. Any facility listed on the enclosure is subject to an audit by the Qualifying Activity with a minimum notice.

Sincerely,

MICHAEL S. ADAMS
Chief
Custom Devices Branch

cc:
DLA Land and Maritime-VQC (Scott Thomas)

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

Enclosure to DLA Land and Maritime-VQC-18-032473

TEST	METHOD/CONDITION	MICROSS ORLANDO	OUTSOURCE LAB
Moisture Resistance	1004	X	HRM
Steady State Life Test	1005/A,B,C,D,E,F	X	HRM
Stabilization Bake	1008/A,B,C,D,E,F	X	HRM, MMT
Salt Atmosphere	1009/A,B,C,D	X	HRM
Temperature Cycling	1010/A,B,C	X	HRM, MMT
Thermal Shock	1011/A,B,C	X	HRM
Seal	1014/A1,A2,B1,B2,B2/B1,C1	X	
Seal	1014/A1,A2,C1		HRM
Seal	1014/B1,C1		MMT
Burn-in	1015/A,B,C,D,E,F	X	HRM
Internal Water Vapor Content	1018		AAL, EAG, ORS
Constant Acceleration	2001/A,B,C,D,E	X	HRM, MMT
Mechanical Shock	2002/B	X	HRM
Solderability	2003	X	HRM
Lead Integrity	2004/A,B1,B2,D	X	HRM
Vibration, Variable Frequency	2007/A	X	HRM
External Visual	2009	X	HRM, MMT
Internal Visual	2010/A,B	X	MMT
Bond Strength	2011/D	X	HRM, MMT
Radiography	2012	X	MMT
Internal Visual for DPA	2013	X	
Internal Visual & Mechanical	2014	X	MMT
Resistance to Solvents	2015	X	HRM
Physical Dimensions	2016	X	HRM
Internal Visual (Hybrid)	2017	X	MMT
SEM	2018	X	HRL
Die Shear Strength	2019	X	HRM, MMT
PIND	2020/A,B	X	HRM, MMT
Glassivation Integrity	2021/B	X	
Nondestructive Bond Pull	2023	X	HRM, MMT
Lid torque	2024		HRM

TEST	METHOD/CONDITION	MICROSS ORLANDO	OUTSOURCE LAB
Adhesion of Lead Finish	2025	X	HRM
Substrate Attach Strength	2027		HRM
Visual Inspection	2032	X	MMT
Resistance to Soldering Heat	2036/A,B,I,J,K		HRM
ESDS Classification	3015		HRM
Wafer Lot Acceptance	5007		HRL
Electrical Test	Per MIL-STD-883 paragraph 4.5 and device spec.	X	HRM
Hot Solder Dip			MCH
Marking		X	MMT
Assembly Subcontractors	MIL-PRF-38534, Class H, MIL-PRF-38535, Class Q	X	MMT

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