



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

June 19, 2014

Mr. Dmitry Marchenko  
Process Engineer  
Microsemi HRG  
6 Lake Street  
Lawrence, MA, 01841

Dear Mr. Marchenko:

RE: Laboratory Suitability MIL-STD-883, Hybrid Microcircuits, FSC 5962, VQ(VQH-14-028176),  
CN#s 042751 and 042752

Your hybrid facility at the above address was sample audited the week of March 25, 2014 for compliance with MIL-PRF-38534 Classes H and K and MIL-STD-883. A satisfactory confidence level of Laboratory Suitability has been demonstrated. Therefore, your facility at 6 Lake Street, Lawrence, MA is considered suitably equipped to perform testing on hybrid microcircuits in accordance with MIL-PRF-38534 for the following test methods of MIL-STD-883:

<u>TEST (DANVERS LOCATION)</u>	<u>883/*750 METHOD</u>	<u>CONDITION</u>
Insulation Resistance	1003	600Vdc, 100nA
Moisture Resistance	1004	N/A
Life Test	1005	A-D, Tc, Air
Stabilization Bake	1008	C (150°C), F, Air
Salt Atmosphere	1009	A
Temperature Cycling	1010	C
Thermal Shock (Liquid)	1011	A, B, C
Seal	1014	A1, A2, C1
Burn-In	1015	A-D (Ta and Tc, 125°C), Air
Constant Acceleration	2001	A-E & 3000g, Y1 axis
Mechanical Shock	2002	B
Solderability	2003	N/A
Lead Integrity	2004	A, B1, B2, D
Vibration, Variable Frequency	2007	A
External Visual	2009	N/A
Internal Visual (Monolithic)	2010	A, B
Bond Strength	2011	D
Internal Visual & Mechanical	2014	N/A
Resistance to Solvents	2015	N/A
Physical Dimensions	2016	N/A
Internal Visual (Hybrid)	2017	H, K
Die Shear	2019	N/A
PIND	2020	A, B
Non-Destruct Bond Pull	2023	N/A
Internal Visual (Passive)	2032	H, K

Resistance to Soldering Heat	2036	B
Internal Visual (Transistors)*	*2072	N/A
Internal Visual (Diodes)*	*2073	N/A

All screening, conformance inspection, periodic inspection, and qualification tests must be performed by a facility that has been issued Laboratory Suitability by DLA Land and Maritime-VQ for the applicable test method and condition.

This Laboratory Suitability is valid until withdrawn by this Center. This Laboratory Suitability is subject to the conditions stated in DoD 4120.24-M and SD-6.

Note: Radiation Hardness Assurance Laboratory Suitability is not addressed in this letter.

Please contact Miss Schneider 614-692-0585 with any questions relevant to this letter.

Sincerely,

for JAMES ESCHMEYER  
Chief  
Hybrid Devices Branch