



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

March 6, 2018

Mr. Jeffrey Touvell
Sr. Quality Manager
Renesas Electronics America Inc. Corporation
1650 Robert J. Conlan Blvd.
Palm Bay, FL 32905

Dear Mr. Touvell:

Re: Laboratory Suitability for MIL-PRF-38535 and MIL-STD-883; FSC 5962; VQC-18-032269, Control Number: 061049

This letter cancels and supersedes letter VQC-17-031173 to reflect the company name change to Renesas Electronics America Inc.

Renesas Electronics America Inc. has demonstrated to DLA Land and Maritime compliance with MIL-PRF-38535 and MIL-STD-883. Renesas Electronics America Inc. 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-17-031173. This Laboratory Suitability also covers Renesas Electronics America Inc.'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.

Renesas Electronics America Inc. 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)

Enclosure to DLA Land and Maritime-VQC-18-032269

Test Name	Method / Conditions	Renesas Electronics America Inc. (Commerical lab capability)	Carse m	MMT	Amkor
Moisture Resistance	1004	X			
Steady State Life Test	1005/A-E	X	X ¹		
Salt Atmosphere	1009/A-D	X			
Temperature Cycling	1010/A-F	X		X	X
Thermal Shock	1011/B,C	X			
Seal	1014/A1,A2,B,C	X	X	X	X
Burn-in	1015/A-E	X	X ¹		
Internal Water Vapor Cont.	1018	X ²			
Steady State Total Dose irradiation	1019/A,D	X			
Constant Acceleration	2001/A-E	X		X	X
Mechanical Shock	2002/B	X			
Solderability	2003	X	X	X	X
Lead Integrity	2004/B1,B2,D	X		X	X
Vibration, Variable Freq.	2007/A	X			
External Visual	2009	X	X	X	X
Internal Visual	2010/A,B	X		X	X
Bond Strength	2011/C,D	X	X	X	X
Radiography	2012	X			
Internal Visual for DPA	2013	X		X	X
Internal Visual and Mechanical	2014	X			
Resistance to Solvents	2015	X	X	X	X
Physical Dimensions	2016	X		X	X
SEM	2018	X			
Die Shear Strength	2019	X	X	X	X
PIND	2020/A,B	X		X	X
Glassivation	2021	X			

Test Name	Method / Conditions	Renesas Electronics America Inc. (Commerical lab capability)	Carse m	MMT	Amkor
Layer Integrity					
Nondestructive Bond Pull	2023	X			
Lid Torque	2024	X	X	X	X
Adhesion of Lead Finish	2025	X	X		
Substrate Attach Strength	2027	X			
ESDS	3015	X			
Terminal Capacitance	3021	X			
Wafer Lot Acceptance	5007	X			
Electrical Test	Device Spec.	X	X		

1. Burn-in is subcontracted to KESM
2. IWV is subcontracted to Oneida or Pernicka