



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.
1650 Robert J. Conlan Blvd.
Palm Bay, FL 32905

Dear Mr. Touvell:

Re: Full Certification Class Q and V for MIL-PRF-38535; FSC 5962; VQ(VQC-18-032268); Control Number: 061049

This letter cancels and supersedes letter VQ(VQC-17-031175) to reflect the company name change to Renesas Electronics America Inc.

Renesas Electronics America Inc. has demonstrated to DLA Land and Maritime that it complies with MIL-PRF-38535, the performance specification used by the Department of Defense for monolithic integrated circuits.

This letter grants Renesas Electronics America Inc. full Class Q and Class V certification, effective immediately, to reflect the current certification status of your facilities as documented on the Quality Management Plan (QMP).

In addition, the parts that are manufactured using the certified technology flows are being listed on the QML-38535. This will allow Renesas Electronics America Inc. to mark parts with "Q" or "QML". These designators have been authorized by the Department of Defense for parts that have been produced to a QML specification, (i.e., one which allows less government oversight), the use of world-wide commercial production lines, reduced finished product testing based on statistical process controls (SPC), and other cost advantages.

Testing must be performed using the facilities and methods listed in the Laboratory Suitability letter DLA Land and Maritime-VQC-18-032269, or at facilities approved by Renesas Electronics America Inc.'s Technical Review Board (TRB) using its MIL-PRF-38535 Quality Management Plan.

This certification is subject to the conditions in DoD 4120.24-M, Defense Standardization Program and SD-6.

All of the facilities mentioned on the enclosure are subject to an audit by DLA Land and Maritime Qualifying Activity at any time.

Renesas Electronics America Inc. shall notify DLA Land and Maritime Qualifying Activity immediately after learning of a potential issuance of a GIDEP alert, problem advisory or major

quality/reliability problem on their assembly and test processes. Failure to provide prior notification may be grounds for removal of their MIL-PRF-38535, Q and V Assembly and Test certification.

In addition, it is requested that the following activities be reported promptly to DLA Land and Maritime:

- Changes to certified facilities, process flows, or approved testing subcontractors
- Problem evaluation and a corrective action when:
 - a. A Technology Conformance Inspection (TCI) failure has been validated
 - b. The reliability of shipped parts is questionable.
- Test optimization, including:
 - a. Implementation - paragraph J.3.12, Appendix J, MIL-PRF-38535
 - b. Changing, suspending or canceling a prior test optimization
- Additions or deletions of parts in the QML-38535
- Change of company QML contact or other key QML personnel
- Changes in test methods and conditions

This certification is valid until terminated by written notice from DLA Land and Maritime Qualifying Activity. If warranted, it may be withdrawn by this center at any time.

If you have any questions please contact Mr. Paul Granchi at (614) 692-9975.

Sincerely,

ALAN WILL
Chief
Sourcing and Qualification Division

ENCLOSURE

cc:
VQC (Scott Thomas)

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

<u>OPERATION</u>	<u>FACILITY</u>	<u>LOCATION</u>	<u>TECHNOLOGY</u>
Design	Renesas Electronics America Inc.	Palm Bay, FL	
Wafer Fabrication:	Renesas Electronics America Inc.	Palm Bay, FL	MGCMOS, SOS, JICMOS, Bipolar, DI CMOS, CMOS, Bi-CMOS
	Global Foundries	Burlington, VT	BiMOS
	TowerJazz	Newport Beach, Ca	Complimentary BCD SOI
	UMC	Hsinchu, Taiwan	CMOS
Assembly:	Millenium Microtech	Chachoengsao, Thailand	Hermetic Class Q (CDIP)
	Amkor Technology Philippines	Philippines	Hermetic Class Q (CDIP)
	Renesas Electronics America Inc.	Palm Bay, FL	Hermetic, Class Q, V (CDIP, SBDIP, CQFP, CFP, CLCC, CPGA, CAN, TO-257, SMD .5)
Probe:	Corwil	Milpitas, CA	Hermetic, Class Q, V (CFP)
	Carsem	Ipoh, Malaysia	Non-rad hard, Class B/Q only
	Renesas Electronics America Inc.	Palm Bay, FL	Class Q, V
Test/Screen/TCI:	Renesas Electronics America Inc.	Palm Bay, FL	Screening as baselined by lab suitability information letter DSCC-VQC-18-032269
	Carsem	Ipoh, Malaysia	Non-rad hard, Class B/Q only