



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

March 17, 2022

Mr. Steve Keledjian
Quality Manager
Eastern State Components
108 Pratts Junction Rd.
Sterling Ma, 015642

Dear Mr. Keledjian:

Re: Full Certification Class Q for MIL-PRF-38535; VPT Lawrence Update FSC 5962;
VQC-22-036937; Grammens; CN: 080243

Based on the Joint DLA Land and Maritime and Eastern State Component (ESC) audit of January 24-25, 2022, at the VPT Lawrence Massachusetts Assembly/Test facility ESC has demonstrated to the DLA Land and Maritime to the DLA Land and Maritime compliance with MIL-PRF-38535, the QML specification used by the Department of Defense (DoD) for monolithic integrated circuits that operate in severe environments.

This letter reflects the current certification status of Eastern State Components as documented in the QM Plan, QMP-001 Rev B.

In addition, the parts that are manufactured using the certified technology flows are being listed on the QML-38535. This will allow Eastern State Components to mark parts with "QML" or "Q". These designators have been authorized by the DoD 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 control (SPC), and other cost advantages.

Testing must be performed using the facilities and methods listed in the Laboratory Suitability letter (VQC-22-036938), or at facilities approved by the Eastern State Components Technical Review Board using its MIL-PRF-38535 QML Processing Program.

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

Any and all of the facilities mentioned on the enclosure are subject to an audit by the Qualifying Activity, at any time. Offshore facilities are subject to all of the conditions of MIL-PRF-38535. The QML manufacturer is responsible to arrange for the qualifying activity to gain access to all applicable manufacturing facilities to preform site assessments to MIL-PRF-38535 requirements.

QPL/QML manufacturers 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 QPL/QML products. Failure to provide prior notification may be grounds for removal from QML-38535.

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

1. Changes to certified facilities, process flows, or approved testing subcontractors
2. 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.
3. Test optimization, including:
 - a. Implementation - paragraph J.3.12, Appendix J, MIL-PRF-38535
 - b. Changing, suspending or canceling a prior test optimization
4. Additions or deletions of parts in the QML-38535
5. Change of company QML contact or other key QML personnel

This certification is valid until terminated by written notice from DLA Land and Maritime, and, if warranted, may be withdrawn at any time.

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

Sincerely,

MICHAEL S. ADAMS
Chief
Custom Devices Branch

Enclosure

Enclosure to DLA Land and Maritime-VQ (VQC-22-036937)

<u>OPERATION</u>	<u>FACILITY</u>	<u>LOCATION</u>	<u>TECHNOLOGY</u>	<u>FLAWS</u>
Wafer Fab *Die and Wafer Bank Only	Vishay Siliconix	Santa Clara, CA	6" Silicon gate II, 4" Bipolar, 4" Metal gate 4" Silicon gate I and II and 6" LDMOS	SG2M Rev.01
Design	Vishay Siliconix	Santa Clara, CA	6" Silicon gate II, 4" Bipolar, 4" Metal gate 4" Silicon gate I and II and 6" LDMOS	SG2M Rev.01
Mask Fab	Vishay Siliconix	Santa Clara, CA	6" Silicon gate II, 4" Bipolar, 4" Metal gate 4" Silicon gate I and II and 6" LDMOS	SG2M Rev.01
Hermetic Assembly	VPT Components	Lawrence, MA	Sidebraze	5 LT 15998
Hermetic Assembly	MMT	Bangkok, Thailand	TO Cans	MMT-AH-039
		Bangkok, Thailand	Sidebraze	MMT-AH-034
Test/Screen/TCI	See DLA Land and Maritime-VQC-22-036938 Laboratory Suitability letter			

Microchip Technology (Thailand) Co.,Ltd. MMT
 17/2 Moo 18, Suwintawong Road
 Tambon Saladang, Amphur Bangnumpriow
 Chachoengsao 24000, Thailand

VPT Components
 9 Hampshire Street
 Lawrence, MA USA 01840