



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

March 19, 2025

Paul Hebert
Director, IC Product Assurance
Infineon Technologies
205 Crawford St
Leominster, MA 01453

Dear Mr. Hebert:

Re: Laboratory Suitability for MIL-STD-883; FSC 5962; VQC-25-393397; Tran

Infineon Technologies has demonstrated to DLA Land and Maritime compliance with MIL-STD-883, the test standard for integrated circuits. Infineon Technologies is granted laboratory suitability, effective immediately, for the facilities, test methods and conditions shown on the enclosure. All testing must be performed in accordance with MIL-PRF-38535 and MIL-STD-883 test methods. Any deviation or modification to MIL-PRF-38535, the test methods/conditions listed in this letter must be approved in writing from the Qualifying Activity (QA) for MIL-PRF-38535, DLA-VQC.

This letter is issued in conjunction with the QML certification letter DLA Land and Maritime VQC-25-3933963 effective on 28 Feb 2025.

This Laboratory Suitability is subject to the policies, procedures, and conditions of the Defense Standardization Program, as published in the manual DoD 4120.24-M and SD-6.

This laboratory suitability is valid until terminated by written notice from DLA Land and Maritime. If warranted, it may be withdrawn by DLA Land and Maritime at any time. Each of these facilities is subject to an audit by DLA Land and Maritime with a minimum notice.

If you have any questions, please contact Mr. Tran (614) 692-0606.

Sincerely,

MICHAEL S. ADAMS
Chief
Custom Devices Branch

Enclosure

For Hermetic Packages

TEST	Method	Infineon, MA	ORS	EAG	VPT Rad	TAMU	
Moisture Resistance	1004	X					
Steady State Life Test	1005 (A-E)	X					
Salt Atmosphere	1009 (A-D)	X					
Temperature Cycling	1010 (A-F)	X					
Thermal Shock	1011 (A-C)	X					
Seal	1014 (B)	X					
Burn-in	1015 (A-E)	X					
Internal Gas Analysis (IGA)	1018		X				
Constant Acceleration	2001 (A-E)	X					
Mechanical Shock	2002 (B)	X					
Solderability	2003	X					
Lead Integrity	2004 (A, A1, B1, B2, D)	X					
Vibration, Variable Frequency	2007 (A)	X					
External Visual	2009	X					
Internal Visual	2010 (A-B)	X					
Bond Strength	2011 (D)	X					
Radiography	2012						
Physical Dimensions	2016	X					
Die Shear Strength	2019	X					
PIND	2020 (A)	X					
SEM (destructive)	2018		X				
Nondestructive Bond Pull, Ref: App. A (Alternate Method)	2023	X					
Adhesion of Lead Finish	2025	X					
Resistance to Soldering Heat	2036 (A, B, I)	X					

TEST	Method	Infineon, MA			VPT Rad	TAMU	
Wafer Lot Acceptance	5007	X					
Wafer Probe	MIL-STD-883 paragraph 4.5	X					
Hot solder Dip (63Sn37Pb)	MIL-PRF-38535 Table A-III	X					
Device Marking (laser)	MIL-PRF-38535 para. A.3.6	X					
Electrical Test	MIL-STD-883 paragraph 4.5	X					
ESDS Classification	3015 & JS-001, JS-002			X			
Radiation test (A-E)	1019				X		
Radiation test (SEE)	ASTM F-1192 & JESD57					X	

Subcontractors:

1. Oneida Research (ORS)
8811 American Way Suite 100
Englewood, CO 80112, USA
2. Oneida Research (ORS)
8282 Halsey Road
Whitesboro, NY 13492, USA
3. Eurofins EAG
2710 Walsh Ave
Santa Clara, CA, 95051, USA

Radiation Test labs Used by Infineon for QML-38535 Products:

1. VPT Rad (Chelmsford, MA)
2. TAMU (College Station, TX)