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

Ms Valerie Lepaludier
Product Quality Engineer Manager
Microchip Technology Nantes
La Chantrerie BP 70602
44306 Nantes Cedex 3, France

July 29, 2020

Dear Ms Lepaludier:

Re: Laboratory Suitability for MIL-STD-883; FSC 5962; VQC-20-035189; Thacker.

Microchip Technology Nantes (formerly Atmel-Nantes) has demonstrated to the DLA Land and Maritime compliance with MIL- STD-883, the test standard for integrated circuits. Microchip Technology Nantes is granted laboratory suitability, effective May 28, 2020, 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.

This letter is issued in conjunction with the QML certification letter DLA Land and Maritime VQC-20-035188.

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 If warranted, it may be withdrawn by DLA Land and Maritime at any time.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. Thacker at (614) 692-0589.

Sincerely,

ADAMS.MICHAEL.S.1230230427
Digitally signed by ADAMS.MICHAEL.S.1230230427
Date: 2020.07.30 07:58:10 -04'00'

MICHAEL S. ADAMS
Chief
Custom Devices Branch

Enclosure

TEST	METHOD/CONDITION	Microchip Technology Nantes, France	T-E2V Grenoble, France */	MMT, Thailand	Other
Moisture Resistance	1004	X			
Steady State Life Test	1005 A-E	X			
Stabilization Bake	1008 A-D		X	X	
Salt Atmosphere	1009 A-D	X			
Temperature Cycling	1010 B-C	X	X	X	
Thermal Shock	1011 B-C	X			
Seal	1014 A_1, A_2, C_1 1014 B_1, C_1, C_3	X	X	X	
Burn-in	1015 A-E	X			
Internal Gas analysis	1018				O.R.S Oneida Research Services
Ionizing Radiation (Total Dose)	1019	X			
Constant Acceleration	2001 A-E	X		X	
Mechanical Shock	2002 B	X			
Solderability	2003	X			
Lead Integrity	2004 B_1, B_2	X			
Vibration, Variable Frequency	2007 A	X			
External Visual	2009	X	X	X	
Internal Visual	2010 A, B		X	X	
Bond Strength	2011 C, D	X	X	X	
Radiography	2012		X	X	
Internal Visual for DPA	2013	X			
Internal Visual & Mechanical	2014	X			
Resistance to Solvents	2015	X			
Physical Dimensions	2016	X			
SEM	2018	X			System Plus, France, Serma
Die Shear Strength	2019	X	X	X	
PIND	2020 A,B		X	X	
Glassivation Layer Integrity Test	2021				Serma France

*/ from stock only

TEST	METHOD/ CONDITION	Microchip Technology Nantes, France	T-E2V Grenoble, France */	MMT, Thailand	Other
Lid Torque	2024	X			
Adhesion of Lead Finish	2025	X			
Substrate Attach Strength	2027	X	X	X	
Resistance to Soldering Heat	2036	X			
ESDS Classification	3015	X			
Electrical Test	Per MIL-STD-883 paragraph 4.5	X			

Subcontractors

1. SEM

   SYSTEMS PLUS CONSULTING, 21 rue La Nouë Bras de Fer, 44200 NANTES
   SERMA Technologies 14 rue Galilée, CS10055, 33615 PESSAC – FRANCE

2 ASSEMBLY
   T-E2V Grenoble, Avenue de Rochepleine BP123 38521 SAINT-EGREVE, FRANCE
   MMT, 17/2 Moo 18 Suwintawong Road, Saladang, Bangnumpriew Chachoengsao, Thailand 24000

3. RESIDUAL GAZ ANALYSIS
   Oneida Recherche Services, BP 163, WTC 2, 120 rte des Macarons, 06903 Sophia Antipolis Cedex, France