



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

June 25, 2015

Ms. Beth Parker
 Director of Quality Assurance
 Microsemi Corporation/Lawrence Division
 6 Lake Street
 Lawrence, MA 01841

Dear Ms. Parker:

Re: Notification of Qualification Approval, MIL-PRF-19500P, FSC 5961, VQ (VQE-15-029598), CAGE Code: 43611, Control Number: 046988

Qualification of your product is granted under the current issue of the specification as a result of successful qualification testing of device type JANTXV2N6987 to Performance Specification MIL-PRF-19500P, Semiconductor Devices, FSC 5961, and performance specification /558 Revision J. Qualification by extension, as allowed by paragraph E.4.2.2 of MIL-PRF-19500P, is granted to the other devices listed below. Therefore, your products will be listed as shown below in Qualified Manufacturers List (QML) 19500. The effective date of this qualification is June 25, 2015. The starting lot date code is L1451.

The qualification lot thermal impedance conditions and upper limits are as follows (subject to change after 5 lots with the approval of the qualifying activity):

I_M	I_H	t_H	t_{MD}	$Z_{\theta JX}$ (Screening)	$Z_{\theta JX}$ (QCI)
5 mA	200 mA	25ms	60 μ s	38 °C/W max	39 °C/W max

Government Designation	Lead Finish	ESD Class 6/	Manufacturer Designation	Test Report Reference	Prf. Spec	Manufacturer Name & Address
** 2N6987, U ** 2N6988	A	2	CDWR	19500-4504-15	/558	Same as above

Assembly (18): Microsemi Lawrence (Wafer Fab)
 Microsemi Philippines Laguna (MSPL) (Assembly)
 (Date Code Prefix: L)

** Includes JAN, JANTX, and JANTXV quality levels
 6/ Testing is compliant to the latest revision of MIL-STD-750 Test Method 1020.3

This qualification approval is based upon test report number 19500-4504-15 for your die and package and your report dated May 22, 2015 and subsequent emails. This qualification is subject to the conditions as stated in SD-6 and DOD 4120.24M.

Because we are held responsible for the accuracy and currency of this Qualified Manufacturers List, please let us know if your company discontinues production of these products. Also, manufacturers are required to inform this office immediately after learning of a potential issuance of a GIDEP alert, problem advisory, or other problem notification on their QML product. If you have any questions on this letter, contact Mr. Deslich at 614-692-0593.

Sincerely,

JOSEPH GEMPERLINE
 Chief
 Sourcing and Qualifications Division