



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

April 29, 2015

Ms. Beth Parker
 Microsemi Lawrence
 6 Lake Street
 Lawrence, MA 01841-3011

Dear Ms. Parker:

Re: Notification of Re-Qualification, MIL-PRF-19500P, FSC 5961; VQ (VQE-15-029442)
 CAGE Code: 43611, Control Number 046411

Re-qualification of your product is granted under the current issue of the specification as a result of successful qualification testing of device types JAN1N4954 and JAN1N4981 to Performance Specification MIL-PRF-19500P, Semiconductor Devices, FSC 5961, and performance specification /356K. This re-qualification was necessitated due to a change in the lead brazing preform to eliminate Ni under plate. Extension is granted to the other devices listed below as allowed by paragraph E.4.2.2 (Qualification by extension). Therefore, your products will be listed as shown below in Qualified Manufacturers List (QML) 19500. The effective date of this qualification is April 29, 2015. The starting lot date code is 1312.

The qualification lot Thermal Impedance conditions and upper limits are as follows (subject to change after 5 lots):

Package	I _M	I _H	t _H	t _{MD}	Z _{θJX} (Screening)	Z _{θJX} (QCI)
Similar to DO-35	10 mA	20 A	10 ms	70 μs	1.4 °C/W max	1.5°C/W max

Government Designation	ESD Class	Manufacturer Designation	Test Report Reference	Prf Spec	Manufacturer Name & Address
** 1N4954,US thru 1N4981, US S 1N4954, US thru, 1N4981,US	NS	CDWR	19500-3348-11	/356	Same as above

** Includes JAN, JANTX & JANTXV quality levels
 S Includes JANS quality level only

Plant 1: Same as above

This qualification approval is based upon test report number: 19500-3348-11, your letter dated March 31, 2015, and subsequent emails and data. This approval is subject to the conditions as stated in the SD-6 and DOD 4120.24M. Test report number 19500-4470-15 has been assigned to this data but will not be reflected in the QML.

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, please contact Mr. Barone at 614-692-0510.

Sincerely,

JOSEPH GEMPERLINE
 Chief
 Sourcing and Qualifications Division