



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

June 27, 2013

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

Dear Ms. Parker:

Re: Notification of Qualification Approval, MIL-PRF-19500P, FSC 5961, VQ (VQE-13-026670),
 CAGE Code: 43611, Control Number: 039938

Qualification of your product is granted under the current issue of the specification as a result of successful qualification testing of device type(s) JAN1N5622 and JANS1N5622 to Performance Specification MIL-PRF-19500P, Semiconductor Devices, FSC 5961, and performance specification /427, Revision N. Qualification by extension is granted to the other devices listed below as allowed by paragraphs E.4.1 and E.4.2.2 of MIL-PRF-19500. Therefore, your products will be listed as shown below in Qualified Manufacturers List (QML) 19500. The effective date of this qualification is June 27, 2013. The starting lot date code is 1303.

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

$$I_m=10 \text{ mA}, I_h=10 \text{ A}, t_H=10 \text{ msec}, t_{MD}=70\mu\text{sec}, Z_{\theta JX}=3.60^\circ\text{C/W max}, \text{QCI limit}=3.9^\circ\text{C/W max}$$

| Government Designation | ESD Class | Manufacturer Designation | Test Report Reference | Prf. Spec | Manufacturer Name & Address |
|------------------------|-----------|--------------------------|-----------------------|-----------|-----------------------------|
| ** 1N5614, US | NS | CDWR | 19500-3919-13 | /427 | Same as above |
| ** 1N5616, US | | | | | |
| ** 1N5618, US | | | | | |
| ** 1N5620, US | | | | | |
| ** 1N5622, US | | | | | |
| § 1N5614, US | | | | | |
| § 1N5616, US | | | | | |
| § 1N5618, US | | | | | |
| § 1N5620, US | | | | | |
| § 1N5622, US | | | | | |
| ** 1N4245 – 1N4249 | NS | | | /286 | |
| * 1N3611 – 1N3614 | NS | | | /228 | |
| * 1N3957 | | | | | |

Plant (1): Same as above

* Includes JAN and JANTX quality levels
 ** Includes JAN, JANTX, JANTXV quality levels
 § Includes JANS quality level only

This qualification approval is based upon test report number 19500-3919-13 for the qualification test data provided with your request letter dated June 13, 2013. 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,

/SIGNED/

JOSEPH GEMPERLINE

Chief

Sourcing and Qualifications Division