



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

October 17, 2012

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

Dear Ms. Parker:

Re: Notification of Qualification Extension, MIL-PRF-19500P, FSC 5961; VQ (VQE-13-025267)
 CAGE Code: 43611, Control Number 037466

Qualification by extension of your product is granted under the current issue of the specification as a result of successful qualification testing of device types JAN1N3051B-1 as allowed by paragraph E.4.2.2 of Performance Specification MIL-PRF-19500P, Semiconductor Devices, FSC 5961, and performance specification /115N, amendment 1. Therefore, your products will be listed as shown below in Qualified Manufacturers List (QML) 19500. The effective date of this qualification is October 17, 2012. The starting lot date code is 1209.

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} | $Z_{\theta JX}$ (Screening) | $Z_{\theta JX}$ (QCI) |
|------------------|-------|-------|-------|------------|-----------------------------|-----------------------|
| Similar to DO-35 | 1 mA | 5 A | 10 ms | 70 μ s | 7.2 °C/W max | 8.0 °C/W max |

| Government Designation | ESD Class | Manufacturer Designation | Test Report Reference | Prf Spec | Manufacturer Name & Address |
|---|-----------|--------------------------|-----------------------|----------|-----------------------------|
| ** 1N3046B-1 thru **1N3051B-1; C-1; D-1;UR-1; CUR-1; DUR-1 | NS | CDWR | 19500-3675-13 | /115N | Same as above |

** Includes JAN, JANTX & JANTXV quality levels

Plant 1: Same as above

This qualification extension approval is based upon test report number 19500-3675-13, test report number 19500-1761-06 for your die and package, and your letter dated Sept 17, 2012. This approval is subject to the conditions as stated in the 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, please contact Mr. Barone at 614-692-0510.

Sincerely,

/SIGNED/

JOSEPH GEMPERLINE
 Chief
 Sourcing and Qualifications Division