



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

IN REPLY  
 REFER  
 TO

DLA LAND AND MARITIME-VQ (VQE-11-021870/Mr. DelloStritto/614-692-0616)

January 31, 2011

SUBJECT: Notification of Qualification, MIL-PRF-19500N, FSC 5961

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

Dear Ms. Parker:

Qualification of your product is granted under the current issue of the specification as a result of successful testing of device type JANTXV1N6771 to Performance Specification MIL-PRF-19500N, Semiconductor Devices, FSC 5961, and performance specification /644A. Qualification by 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 the Qualified Manufacturers List (QML) 19500. The effective date of this qualification is January 31, 2011. The beginning lot date code for this qualification is R1007.

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

| Package  | I <sub>M</sub> | I <sub>H</sub> | t <sub>H</sub> | t <sub>MD</sub> | Zojx (Screening) | Zojx (QCI)   |
|----------|----------------|----------------|----------------|-----------------|------------------|--------------|
| T0-257AA | 15 mA          | 9.9A           | 200 ms         | 35 μs           | 2.6 °C/W max     | 3.0 °C/W max |

| Government Designation     | ESD Class | Manufacturer Designation | Test Report Reference | Prf Spec | Manufacturer Name & Address |
|----------------------------|-----------|--------------------------|-----------------------|----------|-----------------------------|
| **1N6768 through 1N6771; R | 2         | CDWR                     | 19500-3134-11         | /644     | Same as above               |

Plant 11: Microsemi AMSG  
 11861 Western Avenue  
 Garden Grove, CA  
 (Wafer Fabrication)

\*\* Includes JAN, JANTX & JANTXV quality levels only

This qualification approval is based upon test report number 19500-3134-11 for your die and package, your letter dated December 15, 2010 requesting qualification and 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.

Sincerely,

/SIGNED/

JOSEPH GEMPERLINE  
 Chief  
 Sourcing and Qualifications Division