



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

April 22, 2011

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

Dear Ms. Parker:

Re: Notification of Qualification, MIL-PRF-19500N, FSC 5961; VQ (VQE-11-022396) CAGE Code: 43611

Qualification of your product is granted under the current issue of the specification as a result of successful qualification testing of device type JANTXV2N4957 as allowed by paragraph E.4.2.2 of Performance Specification MIL-PRF-19500N, Semiconductor Devices, FSC 5961, and performance specification /426E. Therefore, your products will be listed as shown below in Qualified Manufacturers List (QML) 19500. The effective date of this qualification is April 21, 2011. The starting lot date code is N0937.

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)
TO-72	5 mA	200 mA	10 ms	60 μs	36.19 °C/W max	38.0 °C/W max

Note: The thermal limits above apply to the stated package type. As other packages are produced, the thermal limits will be added to this letter.

Government Designation	ESD Class	Manufacturer Designation	Test Report Reference	Prf Spec	Manufacturer Name & Address
** 2N4957; UB 3/	1C	CDWR	19500-3227-11	/426	Same as above

Plant 16: Microsemi Costa Mesa
 333 McCormick Avenue
 Costa Mesa, CA 92626
 (Wafer Fabrication)

3/ Traceable die bank being utilized
 ** Includes JAN, JANTX, JANTXV quality levels

This qualification approval is based upon test report number 19500-3227-11 and your letter dated March 28, 2011 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. If you have any questions, please contact Mr. Deslich at 614-692-0593.

Sincerely,

/SIGNED/

JOSEPH GEMPERLINE
 Chief
 Sourcing and Qualifications Division