



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

June 28, 2011

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

Dear Ms. Parker:

Re: Notification of Requalification, MIL-PRF-19500N, FSC 5961; VQ (VQE-11-022747)
 CAGE Code: 43611

Requalification of your product is granted under the current issue of the specification as a result of successful qualification testing of device type JANTX2N2946A to Performance Specification MIL-PRF-19500N, Semiconductor Devices, FSC 5961, and performance specification /382G. The testing you performed met the specifications required for surface deposition changes of a qualified product. Therefore, your products will be listed as shown below in Qualified Manufacturers List (QML) 19500. This qualification supersedes the previous Microsemi Lawrence listing and is effective of June 23, 2011. The starting lot date code is 0708.

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-46	5 mA	40 mA	10 ms	60 μs	35.11 °C/W max	36.77 °C/W max

Government Designation	ESD Class	Manufacturer Designation	Test Report Reference	Prf Spec	Manufacturer Name & Address
** 2N2944A through 2N2946A	3	CDWR	19500-3267-11	/382	Same as above

** Includes JAN, JANTX & JANTXV quality levels only

Plant 1: Same as above

This qualification approval is based upon test report number 19500-3267-11, your letter dated May 12, 2011 requesting requalification 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. Nash at 614-692-8290.

Sincerely,

/SIGNED/

JOSEPH GEMPERLINE
 Chief
 Sourcing and Qualifications Division