



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

July 06, 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-11-022782)  
 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 types JANTX1N3595US and JANS1N3595-1 to Performance Specification MIL-PRF-19500N, Semiconductor Devices, FSC 5961, and performance specification /241M. The testing you performed met the specifications required for back metal changes of a qualified product. 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 Qualified Manufacturers List (QML) 19500. This qualification supersedes the previous Microsemi Lawrence listing and is effective of June 30, 2011. The starting lot date code is 1033.

The qualification lot Thermal Impedance conditions and upper limits are as follows (subject to change after 5 lots with the approval of the qualifying activity):

Package	I <sub>M</sub>	I <sub>H</sub>	t <sub>H</sub>	t <sub>MD</sub>	Z <sub>θJX</sub> (Screening)	Z <sub>θJX</sub> (QCI)
DO-35	1 mA	10 mA	10 ms	70 μs	15.25 °C/W max	16.25 °C/W max

Government Designation	ESD Class	Manufacturer Designation	Test Report Reference	Prf Spec	Manufacturer Name & Address
** 1N3595US;AUS	3	CDWR	19500-3283-11	/241	Same as above
**1N5194US -1N5196US				/118	
§ 1N3595-1; A-1;AUS				/241	
** Includes JAN, JANTX & JANTXV quality levels					
§ Includes JANS quality level				Plant 1:	Same as above

This qualification approval is based upon test report number 19500- 3283 -11, your letter dated March 31, 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. Barone at 614-692-0510.

Sincerely,

/SIGNED/

JOSEPH GEMPERLINE  
 Chief  
 Sourcing and Qualifications Division