



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

August 13, 2013

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

Dear Ms. Parker:

Re: Notification of Qualification by Extension, MIL-PRF-19500P, Amend 1, FSC 5961,  
 VQ (VQE-13-026881), CAGE Code 43611, Control # 040287.

Qualification by extension is granted the devices listed below under the current issue of the specification as allowed by paragraph E 4.2.2 of Performance Specification MIL-PRF-19500P, Semiconductor Devices, FSC 5961, and performance specification /477J. Therefore, your products will be listed as shown below in Qualified Manufacturers List (QML) 19500. This qualification is effective as of August 13, 2013.

The qualification lot Thermal Impedance conditions and upper limits as provided in the leaded version of these devices under test report 19500-3560-12 will be the same and are as follows:

Packages	I <sub>M</sub>	I <sub>H</sub>	t <sub>H</sub>	t <sub>MD</sub>	Z <sub>θJX</sub> (Screening)
US, URS	1 mA	30 A	10 ms	70 μs	1.2 °C/W max

Government Designation	ESD Class	Manufacturer Designation	Test Report Reference	Perform Spec.	Manufacturer Name & Address
** 1N5807US, URS	NS	CDWR	19500-3560-12	/477	Same as above
** 1N5809US, URS					
** 1N5811US, URS					
S 1N5807US, URS					
S 1N5809US, URS					
S 1N5811US, URS					
** Includes JAN, JANTX & JANTXV quality levels				Plant 1: Same as above	
S Includes JANS quality level only					

This qualification approval is based on test report number 19500-3560-12 for die & package, however, test report number 19500-3962-13 was assigned to your July 19, 2013 request but will not be referenced on the QML-19500. This action 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. Karadsheh 614-692-0611.

Sincerely,

/SIGNED/

JOSEPH GEMPERLINE  
 Chief  
 Sourcing and Qualifications Division