



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

September 24, 2013

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

Dear Ms. Parker:

Re: Amended Notification of Re-Qualification, MIL-PRF-19500P, FSC 5961, VQ (VQE-13-027084);  
 CAGE Code: 43611, Control Number 040783

This amends letter VQ-12-024365, dated June 21, 2012, to state that re-qualification report number 19500-3560-12 supersedes test report number 19500-2254-08 for all associated part numbers.

Re-qualification of your product is granted under the current issue of the specification as a result of successful qualification testing of device types JANS1N5811 to Performance Specification MIL-PRF-19500P, Semiconductor Devices, FSC 5961, and performance specification /477J, Amendment 1. This re-qualification was necessitated due to a change in the lead brazing preform to eliminate Ni under plate. 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. The effective date of this qualification is June 20, 2012. The starting lot date code is 1123.

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>	Z <sub>ΘJX</sub> (Screening)	Z <sub>ΘJX</sub> (QCI)
Similar to DO-35	1 mA	30 A	10 ms	70 μs	1.2 °C/W max	1.25°C/W max

  

Government Designation	ESD Class	Manufacturer Designation	Test Report Reference	Prf Spec	Manufacturer Name & Address
** 1N5807, 1N5809	NS	CDWR	19500-3560-12	/477	Same as above
** 1N5811					
S 1N5807, 1N5809					
S 1N5811					
** 1N6076-1N6078				/503	
** Includes JAN, JANTX & JANTXV quality levels				Plant 1:	Same as above
S Includes JANS quality level only					

This qualification approval is based upon test report number 19500-3560-12, your letter dated April 25, 2012, and subsequent emails and data. Please note that test report number 19500-3560-12 will replace report number 19500-2254-08 on the QML-19500 for all associated part numbers.

This approval 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. DelloStritto at 614-692-0616.

Sincerely,

/SIGNED/

JOSEPH GEMPERLINE  
 Chief  
 Sourcing and Qualifications Division