



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

March 13, 2012

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

Dear Ms. Parker:

Re: Notification of Qualification Extension, MIL-PRF-19500P, FSC 5961; VQ (VQE-12-024028)  
 CAGE Code: 43611 Control Number: 035701

This letter amends the original letter, VQ (VQE-11-023191), to correct the starting lot date code.

Qualification by extension of your product is granted under the current issue of the specification as a result of successful qualification testing of device type JANS1N4995 as allowed by paragraph E.4.2.2 of Performance Specification MIL-PRF-19500P, Semiconductor Devices, FSC 5961, and performance specification /356K. Therefore, your products will be listed as shown below in Qualified Manufacturers List (QML) 19500. The effective date of this qualification is September 8, 2011. The starting lot date code is 1102.

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)
D-3E	10 mA	20 A	10 ms	70 μs	1.4 °C/W max	1.5 °C/W max
Government Designation	ESD Class	Manufacturer Designation	Test Report Reference	Prf Spec	Manufacturer Name & Address	
§ 1N4954-1N4996; C; D	NS	CDWR	19500-3348-11	/356	Same as above	
§ 1N4954US-1N4996US						
§ 1N4954CUS-1N4996CUS						
§ 1N4954DUS-1N4996DUS						
§ Includes JANS quality level only					Plant 1: Same as above	

This qualification approval is based upon test report number 19500-3348-11 for your die and package, your letter dated August 23, 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. Nash at 614-692-8290.

Sincerely,

/SIGNED/

JOSEPH GEMPERLINE  
 Chief  
 Sourcing and Qualifications Division