



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

May 3, 2013

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

Dear Ms. Parker:

Re: Notification of Qualification Approval, MIL-PRF-19500P, FSC 5961, VQ (VQE-13-026312),  
 CAGE Code: 43611, Control Number: 039375

This letter amends letter VQ (VQE-11-021586) to correct the quality level of the /228 devices listed below. The correct quality levels are shown below and have been corrected in the QML-19500 part listings.

Qualification of your product is granted under the current issue of the specification as a result of successful qualification testing of device type JAN1N4249 to Performance Specification MIL-PRF-19500N, Semiconductor Devices, FSC 5961, and performance specification/286, revision H. Qualification by extension is also granted to the devices listed below as allowed by paragraph E.4.2.2 of MIL-PRF-19500 (Qualification by Extension). The purpose of this qualification testing is to qualify the 800 and 1000 volt device types. Therefore, your products will be listed as shown below in Qualified Manufacturers List (QML) 19500. The effective date of this qualification is December 3, 2010. The starting wafer lot number is D4249-M45-8578A and starting lot date code is 1017.

The qualification lot thermal impedance conditions and screening and QCI limits are as follows (subject to change after 5 lots with approval of qualifying activity):

$I_m=10$  mA,  $I_h=10$  A,  $t_H=10$  msec,  $t_{MD}=70\mu$ sec,  $Z_{\theta JX}=3.59^\circ$  C/W max; QCI limit= $4.0^\circ$  C/W max

Government Designation	ESD Class	Manufacturer Designation	Test Report Reference	Prf. Spec	Manufacturer Name & Address
** 1N4248	NS	CDWR	19500-3095-11	/286	Same as above
** 1N4249					
* 1N3614	NS			/228	
* 1N3957					
					Plant (1): Same as above
* Includes JAN and JANTX quality levels					
** Includes JAN, JANTX, JANTVX quality levels					

This qualification approval is based upon test report number 19500-3095-11 for the Groups A, B, C, and E data provided with your request letter dated November 4, 2010. This qualification is subject to the conditions as stated in 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 on this letter, contact Mr. Deslich, 614-692-0593.

Sincerely,  
 /SIGNED/

JOSEPH GEMPERLINE  
 Chief

Sourcing and Qualifications Division