



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

August 9, 2011

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

Dear Ms. Parker:

Re: Notification of Qualification, MIL-PRF-19500N, FSC 5961; VQ (VQE-11-023007)  
 CAGE Code: 43611

Qualification of your product is granted under the current issue of the specification as a result of successful qualification testing of device type JANTXV1N7037CCU1 as allowed by paragraph E.4.2.2 of Performance Specification MIL-PRF-19500N, Semiconductor Devices, FSC 5961, and performance specification /730 (No Revision). 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 August 4, 2011. The starting lot date code is R0944.

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)
U1	20 mA	20 A	3 ms	40 μs	0.34 °C/W	0.40 °C/W

Government Designation	ESD Class	Manufacturer Designation	Test Report Reference	Prf Spec	Manufacturer Name & Address
** 1N7037CCU1	NS	CDWR	19500-3287-11	/730	Same as above
** 1N7043CAT1					
** 1N7043CCT1					
** 1N6844U3					

Plant 11: Microsemi AMSG  
 11861 Western Avenue  
 Garden Grove, CA  
 (Wafer Fabrication)

\*\* Includes JAN, JANTX & JANTXV quality levels only

This qualification approval is based upon test report number 19500-3287-11 for your die and package, your letter dated June 16, 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