



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

May 7, 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-13-026336),  
 CAGE Code: 43611, Control Number: 039253

Qualification of your product is granted under the current issue of the specification as a result of successful qualification testing of device type JANTXV1N6845U3 to Performance Specification MIL-PRF-19500P, Semiconductor Devices, FSC 5961, and performance specification /682, Revision A. Therefore, your products will be listed as shown below in Qualified Manufacturers List (QML) 19500. The effective date of this qualification is May 7, 2013. The starting lot date code is R1135.

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):

$I_m=50$  mA,  $I_h=30$  A,  $t_H=20$  msec,  $t_{MD}=70\mu$ sec,  $Z_{\theta JX}=1.28^\circ$ C/W max; QCI limit= $1.50^\circ$ C/W max

Government Designation	ESD Class	Manufacturer Designation	Test Report Reference	Prf. Spec	Manufacturer Name & Address
** 1N6845U3	NS	CDWR	19500-3851-13	/682	Same as above

Plant (11): Microsemi AMSG  
 11861 Western Ave  
 Garden Grove, CA 92641

\*\* Includes JAN, JANTX, JANTVX quality levels

This qualification approval is based upon test report number 19500-3851-13 for the Groups A, B, C, and E data provided with your request letter dated April 19, 2013. 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