



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

October 28, 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-14-027220),  
 CAGE Code: 43611, Control Number: 040485

Qualification of your product is granted under the current issue of the specification as a result of successful qualification testing of device type JANTXV1N6666 to Performance Specification MIL-PRF-19500P, Semiconductor Devices, FSC 5961, and performance specification /594, Revision D. Qualification by extension is granted to the other devices listed below as allowed by paragraphs E.4.1 and E.4.2.2 of MIL-PRF-19500. Therefore, your products will be listed as shown below in Qualified Manufacturers List (QML) 19500. The effective date of this qualification is October 28, 2013. The starting lot date code is R1237.

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):

$I_m=50 \text{ mA}$ ,  $I_h=5 \text{ A}$ ,  $t_H=100 \text{ msec}$ ,  $t_{MD}=200\mu\text{sec}$ ,  $Z_{\theta JX}=2.50^\circ\text{C/W max}$ , QCI limit= $2.50^\circ\text{C/W max}$

Government Designation	ESD Class 6/	Manufacturer Designation	Test Report Reference	Prf. Spec	Manufacturer Name & Address
** 1N6664 through ** 1N6666; R	NS	CDWR	19500-3981-13	/594	Same as above

Wafer Fab (11): Microsemi AMSG  
 11861 Western Avenue  
 Garden Grove, CA 92641

\*\* Includes JAN, JANTX and JANTVX quality levels  
 6/ Testing is compliant to the latest revision of MIL-STD-750 Test Method 1020.3

This qualification approval is based upon test report number 19500-3981-13 for your die and package, your letter dated August 9, 2013, and your subsequent emails. 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 at 614-692-0593.

Sincerely,

/SIGNED/

JOSEPH GEMPERLINE  
 Chief  
 Sourcing and Qualifications Division