



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

January 4, 2012

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

Dear Ms. Parker:

Re: Notification of Qualification, MIL-PRF-19500P, FSC 5961; VQ (VQE-12-023695);
 CAGE Code: 43611; Ctrl # 035021

Qualification of your product is granted under the current issue of the specification as a result of successful qualification testing of device type JANTXV2N2857 as allowed by paragraph E.4.1 of Performance Specification MIL-PRF-19500P, Semiconductor Devices, FSC 5961, and performance specification /343. 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 December 21, 2011. The starting lot date code is 1104.

The qualification lot Thermal Impedance conditions and upper limits are as follows for each die (subject to change after 5 lots with approval from qualifying activity):

Package	I _M	I _H	t _H	t _{MD}	ZOJX(Screening)	ZOJX(QCI)
TO-72, UB	5 mA	20m A	10 ms	70 μs	43.83°C/W max	46°C/W max

Government Designation	ESD Class	Manufacturer Designation	Test Report Reference	Prf Spec	Manufacturer Name & Address
** 2N2857; UB	1C	CDWR	19500-3419-12	/343	Same as above

Plant 1: Same as above

** Includes JAN, JANTX, JANTXV quality levels

This qualification approval is based upon test report number 19500-3419-12 for your die and package, your letter dated Dec 1, 2011 and email dated December 20, 2011, 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. DelloStritto at 614-692-0616.

Sincerely,

/SIGNED/

JOSEPH GEMPERLINE
 Chief
 Sourcing and Qualifications Division