



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

December 13, 2011

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-12-023611);  
 CAGE Code: 43611; Ctrl # 034875

Qualification of your product is granted under the current issue of the specification as a result of successful qualification testing of device type JANS2N5796UC as allowed by paragraph E.4.1 of Performance Specification MIL-PRF-19500P, Semiconductor Devices, FSC 5961, and performance specification /496E. 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 5, 2011. The starting lot date code is 0932.

The qualification lot thermal impedance conditions and upper limits are as follows for each die (subject to change after 5 lots with approval of the qualifying activity):

Package	I <sub>M</sub>	I <sub>H</sub>	t <sub>H</sub>	t <sub>MD</sub>	ZOJX(Screening)	ZOJX(QCI)
TO-78, U, UC	5 mA	200m A	25 ms	60 μs	36.0°C/W max	38.0°C/W max

Government Designation	ESD Class	Manufacturer Designation	Test Report Reference	Prf Spec	Manufacturer Name & Address
S 2N5795; A S 2N5796; A; AU; AUC; U; UC	NS	CDWR	19500-3408-12	/496	Same as above
					Plant 1: Same as above
S Includes JANS quality level only					

This qualification approval is based upon test report numbers 19500-3408-12 for your die and package, 19500-1722-06 for other packages, your letter dated Nov 10, 2011 and email dated December 5, 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