



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

May 28, 2013

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-13-026457);
 CAGE Code: 43611; Ctrl # 039618

Qualification of your product is granted under the current issue of the specification as a result of successful qualification testing of device type JANS2N2857UB as allowed by paragraph E.4.1 of Performance Specification MIL-PRF-19500P, Semiconductor Devices, FSC 5961, and performance specification /343K. 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 May 24, 2013. The starting lot date code is 1110.

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
S 2N2857; UB	1C	CDWR	19500-3719-13	/343	Same as above

Plant 1: Same as above

S Includes JANS quality level only

This qualification approval is based upon test report numbers 19500-3719-13 for your die and package, 19500-3419-12 for your group C & E data, your letter dated November 12, 2012, and your subsequent emails and data. This qualification 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. Carl DelloStritto at 614-692-0616.

Sincerely,

/SIGNED/

JOSEPH GEMPERLINE
 Chief
 Sourcing and Qualifications Division