



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

August 27, 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-13-026940);
 CAGE Code: 43611; Ctrl # 040434

Qualification of your product is granted under the current issue of the specification as a result of successful qualification testing of device type JANSR2N3439U4 as allowed by paragraph E.4.1 of Performance Specification MIL-PRF-19500P, Semiconductor Devices, FSC 5961, and performance specification /368L. 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 August 22, 2013. The starting lot date code is 1245.

The qualification lot Thermal Impedance conditions and upper limits are for the following device only; (subject to change after 5 lots with approval from the qualifying activity)

Devices	IM	IH	tH	tMD	Zojx (Screening)	Zojx (QCI)
2N3439U4 & 2N3440U4	10 mA	250mA	10 msec	60 μs	4.87 °C/W max	5.20 °C/W max

NOTE: All other devices listed below do not have established thermal conditions. As devices are produced, this letter will be updated to add those conditions.

Government Designation	ESD Class	Manufacturer Designation	Test Report Reference	Prf Spec	Manufacturer Name & Address
S 2N3439U4; 2N3440U4	<u>6/</u> 3A	CDWR	19500-3971-13	/368	Same as above
SR 2N3439U4; 2N3440U4	<u>6/</u>				
S 2N3740U4; 2N3741U4	<u>6/</u>			/441	
S 2N5415U4; 2N5416U4	<u>6/</u>			/485	
S 2N3867U4; 2N3868U4	<u>6/</u>			/350	
S 2N3498U4 thru 2N3501U4	<u>6/</u>			/366	
SR 2N3498U4 thru 2N3501U4	<u>6/</u>				
S 2N3762U4 thru 2N3765U4	<u>6/</u>			/396	

6/ Testing is compliant to the latest revision of MIL-STD-750 Test Method 1020.3

S Includes JANS quality levels only

Plant 1: Same as above

This qualification approval is based upon test report numbers 19500-3971-13 for your die and package, your letter dated July 26, 2013, 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