



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

February 13, 2015

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-15-028909), CAGE Code 43611, Control # 044645

Qualification of your product is granted under the current issue of the specification as a result of successful qualification testing of device type JANTXV2N6904 to Performance Specification MIL-PRF-19500P, Semiconductor Devices, FSC 5961, and performance specification /566C. Qualification testing was performed to qualify this product with die from the Garden Grove facility. It was formerly qualified with Fairchild die. Therefore, your products will be listed as shown below in Qualified Manufacturers List (QML) 19500. This qualification is effective November 21, 2014. The starting lot date code is R1344.

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

I_M	I_H	t_H	t_{MD}	$Z_{\theta JX}$ (Screening)	$Z_{\theta JX}$ (QCI)
10 mA	3 A	10 ms	70 μ s	0.788 °C/W max	0.821 °C/W max

Government Designation	Lead Finish	ESD Class <u>6</u> /	Manufacturer Designation	Test Report Reference	Perform. Spec.	Manufacturer Name & Address
** 2N6904	A	3B	CDWR	19500-4341-15	/566	Same as above

6/ Testing is compliant to MIL-STD-750 Test Method 1020.3

** Includes JAN, JANTX & JANTXV quality levels

Plant 11: Microsemi AMSG

11861 Western Avenue

Garden Grove, CA 92641-2119, US

This qualification approval is based upon test report number 19500-4341-15 for your Groups A, B, C, and E testing data and your letter dated October 15, 2014 requesting qualification and 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. Deslich at 614-692-0593.

Sincerely,

JOSEPH GEMPERLINE

Chief

Sourcing and Qualifications Division