



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

July 24, 2014

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-14-028350), CAGE Code 43611, Control # 043196

Qualification of your product is granted under the current issue of the specification as a result of successful qualification testing of device type JANSF2N2484 to Performance Specification MIL-PRF-19500P, Semiconductor Devices, FSC 5961, and performance specification /376K. Re-qualification of your existing JAN through JANS device listings to accommodate a change in passivation for improved performance is also granted. 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. This qualification is effective as of July 24, 2014. The starting lot date code is 1246.

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)
5 mA	50 mA	25 ms	60 μ s	66.5 °C/W max	67.0 °C/W max

Government Designation	Lead Finish	ESD Class <u>6</u> /	Manufacturer Designation	Test Report Reference	Perform. Spec.	Manufacturer Name & Address
§ F2N2484; UA; UB; UBC	C	3B	CDWR	19500-4217-14	/376	Same as above
§ 2N2484; UA; UB; UBC	C	3B		19500-1967-07		
** 2N2484	A	3B		19500-1126-05		
** 2N2484UA; UB	C	3B		"		
JANHCA2N2484	N/A	N/A		19500-1967-07		
JANKCA2N2484	N/A	N/A		"		
JANKCAF2N2484	N/A	N/A		19500-4217-14		
§ 2N2919; L; U	C	3B		19500-1967-07	/355	
§ 2N2920; L; U	C	3B		"		
§ F2N2919; L; U	C	3B		19500-4217-14		
§ F2N2920; L; U	C	3B		"		
** 2N2919; L; U	A;A;C	3B		19500-195-97		
** 2N2920; L; U	A;A;C	3B		"		
JANHCA2N2919	N/A	N/A		19500-1967-07		
JANKCA2N2919	N/A	N/A		"		
JANHCA2N2920	N/A	N/A		"		
JANKCA2N2920	N/A	N/A		"		
JANKCAF2N2919	N/A	N/A		19500-4217-14		
JANKCAF2N2920	N/A	N/A		"		
§ 2N930; UB	C	3B		19500-1967-07	/253	
§ F 2N930; UB	C	3B		19500-4217-14		
** 2N930; UB	A; C	3B		19500-104-95		

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

** Includes JAN, JANTX & JANTXV quality levels

§ Includes JANS quality level only

Plant 1: Same as above

This qualification approval is based upon test report number 19500-4217-14 for your Groups A, B, C, D, and E6 data and your letter dated June 6, 2014 requesting qualification/requalification. This test report will be reflected in the QML for your new RHA devices, but will not replace the test reports covering requalification of your existing listings. 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. Deslich at 614-692-0593.

Sincerely,

/SIGNED/

JOSEPH GEMPERLINE
Chief
Sourcing and Qualifications Division