



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

August 14, 2014

Mr. Mark McNulla
 Aeroflex-Metelics
 9 Hampshire Street
 Lawrence, MA 01840

Dear Mr. McNulla:

Re: Notification of Qualification, MIL-PRF-19500P, Amend 1, FSC 5961; VQ (VQE-14-028441)
 CAGE Code: 52GC4; Control Number: 043769

Qualification of your product is granted under the current issue of the specification as a result of successful testing of device type JANSR2N3700UB as allowed by paragraph E.4.1 of Performance Specification MIL-PRF-19500P, Amend 1, Semiconductor Devices, FSC 5961, and performance specification /391N. 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 the Qualified Manufacturers List (QML) 19500. The beginning lot date code for this qualification is D1346. The effective date of this qualification is August 8, 2014.

Thermal Conditions (subject to change after 5 lots with approval from the qualifying activity)							
Package	Vcb	I _M	I _H	t _H	t _{MD}	Z _{θJX} (Screening)	Z _{θJX} (QCI)
TO-18/UB	10V	10mA	0.2A	25 ms	70 μs	40°C/W max	45°C/W max
TO-46	10V	10mA	0.2A	25 ms	70 μs	25°C/W max	27°C/W max
TO-5/TO-39	10V	10mA	0.2A	25 ms	70 μs	15°C/W max	17°C/W max

Government Designation	Lead Finish	ESD Class 6/	Manufacturer Designation	Test Report Reference	Prf Spec	Manufacturer Name & Address
§R 2N3019; S	C	3A	CHRC	19500-4213-14	/391	Same as above
§ 2N3019; S	C					
§R 2N3057A	C					
§ 2N3057A	C					
§R 2N3700; UB	C					
§ 2N3700; UB	C					
JANHCC2N3700		N/A				
JANHCCR2N3700		N/A				
JANHCC2N3019		N/A				
JANHCCR2N3019		N/A				
JANKCC2N3700		N/A				
JANKCCR2N3700		N/A				
JANKCC2N3019		N/A				
JANKCCR2N3019		N/A				

JANHCC & JANHCRC is for JANHC only
 JANKCC & JANKCRC is for JANKC only
 § Includes JANS quality level only

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

Plant 4: Texas Instruments Inc.
 6412 U.S. Highway 75 South
 Sherman, TX 75090
 (Wafer Fabrication)

This qualification approval is based upon test report number 19500-4213-14 for your die and package, your modified letter dated May 16, 2014, and subsequent emails requesting 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. DelloStritto at 614-692-0616.

Sincerely,

/SIGNED/

JOSEPH GEMPERLINE
Chief
Sourcing and Qualifications Division