



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

April 1, 2014

Mr. Paul Syndergaard
 ON Semiconductor Inc.
 2300 Buckskin Road
 Pocatello, ID 83201

Dear Mr. Syndergaard:

Re: Notification of Qualification Extension, MIL-PRF-19500P, FSC 5961; VQ (VQE-14-027814)
 CAGE Code: 31471; Control Number: 042409

Qualification by extension of your product is granted under the current issue of the specification as a result of successful testing of device type JANTXV2N3019 as allowed by paragraph E.4.2.2 of Performance Specification MIL-PRF-19500P, Semiconductor Devices, FSC 5961, and performance specification /391M, Amendment 1. 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 T1318A. The effective date of this qualification is April 1, 2014.

The qualification lot Thermal Impedance conditions and upper limits are as follows (subject to change after 5 lots with approval from qualifying activity):

Package	V _{CB}	I _H	I _M	t _H	t _{MD}	ZOJX
TO-5	35 V	111 mA	2 mA	50ms	50 μs	25°C/W max

Government Designation	ESD Class	Manufacturer Designation	Test Report Reference	Prf Spec	Manufacturer Name & Address
** 2N3019; 2N3019S <u>6/</u>	3B	CONP	19500-4104-14	/391	Same as above

Plant (2): ON Semiconductor (ISMF)
 Seremban, Malaysia
 (Wafer Fabrication)
 Millenium Microtech (MMT)
 Chachoengsao, Thailand
 (Assembly)

6/ Testing is compliant to the latest revision of MIL-STD-750
 Test Method 1020.3
 ** Includes JAN, JANTX & JANTXV quality levels only

This qualification approval is based upon test report numbers 19500-3738-13 for your die and 19500-4104-14 for your package, your email dated February 6, 2014 requesting qualification, and your subsequent email 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. DelloStritto at 614-692-0616.

Sincerely,

/SIGNED/

JOSEPH GEMPERLINE
 Chief
 Sourcing and Qualifications Division