



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

March 25, 2016

Mr. Mark McNulla  
 MACOM Technology Solutions Inc.  
 9 Hampshire Street  
 Lawrence, MA 01840

Dear Mr. McNulla:

Re: Notification of Qualification, MIL-PRF-19500P, Amend 3, FSC 5961, VQ (VQE-16-030161),  
 CAGE Code: 52GC4, Control Number: 049827

Qualification of your product is granted under the current issue of the specification as a result of successful testing of device type JANS1N6313US as allowed by paragraphs 4.1 of Performance Specification MIL-PRF-19500P, Amendment 3, Semiconductor Devices, FSC 5961, and performance specification /533 Rev L. 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 is A1529. The effective date of this qualification is March 4, 2016.

Thermal Conditions (subject to change after 5 lots with approval from the qualifying activity)						
Package	I <sub>M</sub>	I <sub>H</sub>	t <sub>H</sub>	t <sub>MD</sub>	Z <sub>θJX</sub> (Screening)	Z <sub>θJX</sub> (QCI)
DO-35/US	10 mA	2 A	10 msec	70 μs	17.5°C/W max	19.5°C/W max

Government Designation	Lead Finish	ESD Class	Manufacturer Designation	Test Report Reference	Prf Spec	Manufacturer Name & Address
S 1N6309-1N6320; C; D; US; CUS; DUS ** 1N6309-1N6320; C; D; US; CUS; DUS	A	NS	CHRC	19500-4620-16	/533	Same as above
6/ Testing is compliant to MIL-STD-750 Test Method 1020.3 ** Includes JAN, JANTX, & JANTXV quality levels S Includes JANS quality level only					Plant 2:	MACOM Tech Solutions 55 Grenier Field Road Londonderry, NH 03053 (Wafer Fabrication)

This qualification approval is based upon test report numbers 19500-4620-16 for your die and package, your letter dated January 8, 2016, and 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. DelloStritto at 614-692-0616.

Sincerely,

for ALAN J. WILL  
 Acting Chief  
 Sourcing and Qualifications Division