



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

February 26, 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-16-030105), CAGE Code: 52GC4, Control Number: 049599

Qualification of your product is granted under the current issue of the specification as a result of successful testing of device types JANTXV1N5307UB and JANTXV1N5308UB as allowed by paragraphs 4.1 of Performance Specification MIL-PRF-19500P, Amendment 3, Semiconductor Devices, FSC 5961, and performance specification /463 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 A1551. The effective date of this qualification is February 11, 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)
UB	10mA	1A	10 msec	70 μsec	35.0C/W max	35.0°C/W max

Government Designation	Lead Finish	ESD Class <u>6</u> /	Manufacturer Designation	Test Report Reference	Prf. Spec	Manufacturer Name & Address
** 1N5283UB; UBCA; UBCC; UBD thru **1N5314UB; UBCA; UBCC; UBD	A	3B	CHRC	19500-4637-16	/463	Same as above
S 1N5283UB; UBCA; UBCC; UBD thru S 1N5314UB; UBCA; UBCC; UBD	A	3B				
** 1N7048UB; UBCA; UBCC; UBD thru ** 1N7055UB; UBCA; UBCC; UBD	A	3B				
S 1N7048UB; UBCA; UBCC; UBD thru S 1N7055UB; UBCA; UBCC; UBD	A	3B				

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

Plant (2): MACOM Tech Solutions Inc.  
 54 Grenier Field Road  
 Londonderry, NH 03053  
 (wafer fabrication)

This qualification approval is based upon test report number 19500-4637-16 for your die & package, your letter dated January 29, 2016, and subsequent emails. This approval is subject to the conditions stated in 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 on this letter, contact Mr. DelloStritto at 614-692-0616.

Sincerely,

ALAN J. WILL  
Acting Chief  
Sourcing and Qualifications Division