



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

February 6, 2018

Mr. Matthew D. Johnston  
 MACOM Technology Solutions Inc.  
 9 Hampshire Street  
 Lawrence, MA 01840

Dear Mr. Johnston:

Re: Notification of Qualification MIL-PRF-19500P, Amend 3, FSC 5961; VQ (VQE-18-032131)  
 CAGE Code: 52GC4; Control Number: 060589

Qualification of your product is granted as a result of successful testing of JANS1N6642US to Performance Specification MIL-PRF-19500P, Amend 3, Semiconductor Devices, FSC 5961, and performance specification /578, Rev P, 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 H1730. The effective date of this qualification is February 6, 2018.

Government Designation	ESD Class	Manufacturer Designation	Test Report Reference	Prf Spec	Manufacturer Name & Address
** 1N6638, 1N6638US S 1N6638, 1N6638US	3B	CHRC	19500-5056-18	/578	Same as above
** 1N6642 - 1N6643; US S 1N6642 - 1N6643; US					
** 1N6639 - 1N6641; US S 1N6639 - 1N6641; US	3B	CHRC	19500-5056-18	/609	Same as above
** Includes JAN, JANTX, and JANTXV quality levels only S Includes JANS quality level only					Plant 5: MACOM Lowell 100 Chelmsford Rd Lowell, MA 01851 (wafer fabrication)

This qualification approval is based upon test report number 19500-5056-18 for your die and package and your letter dated December 1, 2017. This approval 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 concerning this letter, please contact Mr. Best (614) 692-8956.

Sincerely,

for ALAN J. WILL  
 Chief  
 Sourcing and Qualifications Division