



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

January 29, 2016

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

Dear Mr. McNulla:

Re: Notification of Qualification by Extension, MIL-PRF-19500P, FSC 5961; VQ (VQE-16-030080)  
 CAGE Code: 52GC4; Control Number: 049202

Qualification of your product is extended under the current issue of the specification as allowed by Appendix G, paragraphs 4.1 and 4.3 of Performance Specification MIL-PRF-19500P, Amendment 3, Semiconductor Devices, FSC 5961, and performance specification /394, Rev P. This request was initiated due to the inclusion of the die design into the performance sheet. 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 effective date of this qualification is January 29, 2016.

Government Designation	ESD Class	Manufacturer Designation	Test Report Reference	Prf. Spec	Manufacturer Name & Address
JANHCC2N4150 JANKCC2N4150 JANHCCR2N4150 JANKCCR2N4150	N/A	CHRC	19500-3529-12	/394	Same as above
JANHCC for JANHC quality level only JANKCC for JANKC quality level only					Plant (3): Bourns Ltd Manton Lane, MK417BJ Bedford, United Kingdom (Wafer Fabrication)

This qualification by extension approval is based upon test report numbers 19500-3529-12 (die & package) and 19500-4523-15 (rad hard test data), and upon your extension request dated December 23, 2015. Your design and construction documents were assigned to the subject control number and will be filed with the referenced rad hard test report listed above. 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