



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

August 4, 2014

Ms. Beth Parker
 Director of Quality Assurance
 Microsemi Corporation/Lawrence Division
 6 Lake Street
 Lawrence, MA 01841

Dear Ms. Parker:

Re: Notification of Qualification Approval, MIL-PRF-19500P, Amend 1, FSC 5961, VQ (VQE-14-028403),
 CAGE Code: 43611, Control Number: 043401

Qualification of your product is granted under the current issue of the specification as a result of successful qualification testing of device type JAN1N5811 to Performance Specification MIL-PRF-19500P, Amend 1, Semiconductor Devices, FSC 5961, and performance specification /477, Rev K. This is an initial qualification of the Microsemi semiconductor assembly facility in Laguna, Philippines and is a qualification vehicle for the hard glass B body axial and surface mount packages. Qualification by extension, as allowed by paragraph E.4.2.2 Qualification by Extension of MIL-PRF-19500P, Amend 1, is granted to the other devices listed below. Therefore, your products will be listed as shown below in Qualified Manufacturers List (QML) 19500. The effective date of this qualification is July 31, 2014. The starting lot date code is L1404.

Qualified thermal impedance conditions and limits remain as approved in the initial qualification listings for each device.

| Government Designation | Lead Finish | ESD Class 6/ | Manufacturer Designation | Test Report Reference | Prf. Spec | Manufacturer Name & Address |
|-------------------------------------------------------------------|-------------|--------------|--------------------------|-----------------------|--------------|-----------------------------|
| **1N4954 through 1N4996; US C; CUS;D; DUS | A | NS | CDWR | 19500-4233-14 | /356 | Same as above |
| **1N5415 through 1N5420; US | A | 3B | | | /411 | |
| **1N5550 through 1N5554; US | A | 3B | | | /420 | |
| **1N5186 through 1N5188 | A | 3B | | | /424 | |
| **1N5190 **1N5807;US;URS **1N5809;US;URS **1N5811;US;URS | A | NS | | | /477 | |
| **1N6076-1N6078 **1N6103 through 1N6137;A;US;AUS | A | NS | | | /503 /516 | |
| **1N6461 through 1N6468;US | A | NS | | | /551 | |

Assembly (18): Microsemi Philippines Laguna (MSPL)
 (Date Code Prefix: L)

/516 and /551: Wafer Fab (11): Microsemi AMMSG
 11861 Western Avenue
 Garden Grove, CA 92641-2119

Assembly (17): Microsemi Philippines Laguna (MSPL)
 (Date Code Prefix: M)

** Includes JAN, JANTX, and JANTXV quality levels

6/ Testing is compliant to the latest revision of MIL-STD-750 Test Method 1020.3

This qualification approval is based upon test report number 19500-4233-14 for your die and package, your report dated June 17, 2014, and subsequent emails. This qualification is subject to the conditions as 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,

/SIGNED/

JOSEPH GEMPERLINE
Chief
Sourcing and Qualifications Division