



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

July 31, 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-14-028391), CAGE Code: 43611, Control Number: 043400

Qualification of your product is granted under the current issue of the specification as a result of successful qualification testing of device type JAN1N962BUR-1 to Performance Specification MIL-PRF-19500P, Amend 1, Semiconductor Devices, FSC 5961, and performance specification /117, Rev R, Amend 2. This is an initial qualification of the Microsemi semiconductor assembly facility in Laguna, Philippines and is a qualification vehicle for the DO-213AA surface mount package. 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 L1411.

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
**1N3016BUR-1 through 1N3051BUR-1; CUR-1; DUR-1	A	NS	CDWR	19500-4232-14	/115	Same as above
**1N3821AUR-1 through 1N3838AUR-1; CUR-1; DUR-1	A	NS				
**1N4148UR-1	A	NS			/116	
**1N914UR	A					
**1N962BUR-1 through 1N992BUR-1; CUR-1; DUR-1	A	NS			/117	
**1N5194UR	A	NS			/118	
**1N5195UR	A	NS				
**1N5196UR	A	NS				
**1N4370AUR-1 through 1N4372AUR-1; CUR-1; DUR-1	A	NS			/127	
**1N746AUR-1 through 1N759AUR-1 CUR-1; DUR-1	A					

Government Designation	Lead Finish	ESD Class 6/	Manufacturer Designation	Test Report Reference	Prf. Spec	Manufacturer Name & Address
**1N4454UR-1	A	3A	CDWR	19500-4232-14	/144	Same as above
**1N3070UR-1	A	2			/169	
**1N4938UR-1	A	2				
**1N4150UR-1	A	3A			/231	
**1N645UR-1	A	2			/240	
**1N647UR-1	A	2				
**1N649UR-1	A	2				
**1N3595UR-1	A	NS			/241	
**1N3595AUR-1	A	NS				
**1N4153UR-1	A	3A			/337	
**1N4099UR-1	A	NS			/435	
through 1N4135UR-1; CUR-1; DUR-1						
**1N4614UR-1	A	NS				
through 1N4627UR-1; CUR-1; DUR-1						
**1N5518BUR-1	A	NS			/437	
through 1N5546BUR-1; CUR-1; DUR-1						
**1N5711UR-1	A	0			/444	
**1N5712UR-1	A	0				
**1N6857UR-1	A	0				
**1N6858UR-1	A	0				
**1N5283UR-1	A	NS			/463	
through 1N5314UR-1						
**1N7048UR-1	A	NS				
through 1N7055UR-1						
**1N5819UR-1	A	3A			/586	
**1N6761UR-1	A	3A				
**1N6677UR-1	A	2			/610	

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

\*\* 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 19500-4232-14 for your die and package, your report dated June 18, 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