



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

January 20, 2015

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, FSC 5961, VQ (VQE-15-028990), CAGE Code: 43611, Control Number: 045228

Qualification of your product is granted under the current issue of the specification as a result of successful qualification testing of device type JANTXV2N6764 to Performance Specification MIL-PRF-19500P, Semiconductor Devices, FSC 5961, and performance specification /543 Revision N. This is an initial qualification of the Microsemi semiconductor assembly facility in Laguna, Philippines for such devices and serves as a qualification vehicle for the solder bonded TO-3 and TO-204AE metal can packages. Qualification by extension, as allowed by paragraph E.4.2.2 of MIL-PRF-19500P, 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 December 19, 2014. The starting lot date code is M1417.

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
**2N3442	A	NS	CDWR	19500-4342-15	/370	Same as above
**2N3902	A	3A			/371	
**2N5157	A	3A			/379	
**2N3791 & 92	A	3B			/407	
**2N3055	A	3A			/408	
**2N3715 & 16	A	3A			/413	
**2N3771 & 72	A	3A			/433	
**2N4399	A	3A			/439	
**2N5745	A	3A			/456	
**2N5038 & 39	A	NS			/464	
**2N5302 & 03	A	3A			/466	
**2N5685 & 86	A	3A			/488	
**2N5683 & 84	A	3A			/498	
**2N5671 & 72	A	NS			/501	
**2N6306	A	3A			/502	
**2N6308	A	3A			/504	
**2N6051 & 52	A	NS			/505	
**2N6058 & 59	A	3A			/508	
**2N6283 & 84	A	3A			/509	
**2N6286 & 87	A	NS			/510	
**2N6437 & 38	A	3A			/514	
**2N6338	A	3B			/523	
**2N6341	A	3B				
**2N6249-51	A	3B				
**2N6274	A	3A				
**2N6277	A	3A				
**2N6383-85	A	3A				

Government Designation	Lead Finish	ESD Class 6/	Manufacturer Designation	Test Report Reference	Prf. Spec	Manufacturer Name & Address
**2N6546 & 47	A	3A	CDWR	19500-4342-15	/525	Same as above
**2N6648-50	A	3A			/527	
**2N6032 & 33	A	3A			/528	
**2N6674 & 75	A	3A			/537	
**2N6676 & 78	A	3B			/538	
**2N6756	A	1C			/542	
**2N6758	A	1B				
**2N6760	A	1C				
**2N6762	A	1C				
**2N6764	A	1C			/543	
**2N6766	A	2				
**2N6768	A	1B				
**2N6770	A	1B				
**2N6804	A	0			/562	

/542(2N6756 & 6758 only), /543(2N6764 & 66 only) and /562:  
Assembly (17): Microsemi Philippines Laguna (MSPL)  
(Date Code Prefix: M)

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/370, /379, /413, /439, /456, /464, /466, /488, /501, /505, /508,  
/509, /514, /527, /528:  
Assembly (18): Microsemi Philippines Laguna (MSPL)  
(Date Code Prefix: L)

/371, /407, /408, /433, /498, /502, /504, /510, /523, /525, /537,  
and /538:  
Assembly (19): Microsemi Philippines Laguna (MSPL)  
(Date Code Prefix: P)

/542(2N6760 & 6762 only), and /543(2N6768 & 6770 only):  
Assembly (20): Microsemi Philippines Laguna (MSPL)  
(Date Code Prefix: D)

\*\* 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 19500-4342-15 for your die and package and your report dated October 16, 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,

for JOSEPH GEMPERLINE  
Chief  
Sourcing and Qualifications Division