



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

December 5, 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, FSC 5961, VQ (VQE-15-028942), CAGE Code: 43611, Control Number: 045083

Qualification of your product is granted under the current issue of the specification as a result of successful qualification testing of device type JANTXV2N5416 to Performance Specification MIL-PRF-19500P, Semiconductor Devices, FSC 5961, and performance specification /485 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 eutectic bonded TO-5 and TO-39 metal can packages. Qualification by extension, as allowed by paragraph E.4.2.2 "Qualification by Extension" 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 1, 2014. The starting lot date code is L1407.

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
**2N1613;L	A	NS	CDWR	19500-4280-14	/181	Same as above
**2N1893;S	A	NS			/182	
**2N1711;S	A	NS			/225	
**2N1890;S	A	NS				
**2N2218;A;AL	A	NS			/251	
**2N2219;A;AL	A	NS				
**2N2323;A;S;AS	A	3A			/276	
**2N2324;A;S;AS	A	3A				
**2N2326;A;S;AS	A	3A				
**2N2328;A;S;AS	A	3A				
**2N2329;A;S;AS	A	3A				
**2N2904;A;AL	A	2			/290	
**2N2905;A;AL	A	2				
**2N3506;A;L;AL	A	NS			/349	
**2N3507;A;L;AL	A	NS				
**2N3867;S	A	3A			/350	
**2N3868;S	A	3A				
**2N3634;L	A	3B			/357	
**2N3635;L	A	3B				
**2N3636;L	A	3B				
**2N3637;L	A	3B				
**2N3498;L	A	3A			/366	
**2N3499;L	A	3A				
**2N3500;L	A	3A				
**2N3501;L	A	3A				
**2N3439;L	A	NS			/368	
**2N3440;L	A	NS				
JAN2N333;A;T2; AT2; ALT2;LT2	A	3A			/37	
JAN2N335;A;T2; AT2; ALT2;LT2	A	3A				
JAN2N336;A;T2; AT2; ALT2;LT2	A	3A				
**2N3019;S	A	3A			/391	
**2N3735;L	A	3A			/395	

Government Designation	Lead Finish	ESD Class 6/	Manufacturer Designation	Test Report Reference	Prf. Spec	Manufacturer Name & Address
* 2N4405	A	3A	CDWR	19500-4280-14	/448	Same as above
**2N4515;S	A	3A			/485	
**2N4516;S	A	3A				
**2N4033	A	3B			/512	
**2N4237-39	A	NS			/581	
**2N5681 & 82	A	NS			/583	
**2N3724;L	A	3A			/728	
**2N3725;L	A	3A				
JAN2N497 & 98	A	NS			/74	
JAN2N656;S	A	NS				
JAN2N657;S	A	NS				

/251:

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

/181, /182, /225, /290, /349, /350, /357, /366, /368, /37, /391,
/395, /398, /448, /485, /512, /581, /583, /728 & /74:

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

/276:

Assembly (19): Microsemi Philippines Laguna (MSPL)
(Date Code Prefix: P)

** 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 19500-4280-14 for your die and package and your report dated July 25, 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,

JOSEPH GEMPERLINE
Chief
Sourcing and Qualifications Division