



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

June 2, 2016

Mr. Michael Radulovich
 Solitron Devices, Inc.
 3301 Electronics Way
 West Palm Beach, FL 33407

Dear Mr. Radulovich:

Re: Notification of Re-Qualification, MIL-PRF-19500P, FSC 5961, VQ (VQE-16-030420), CAGE Code 21845, Control # 050899

Re-Qualification of your product is granted under the current issue of the specification as a result of successful qualification testing of device type JANTXV2N3847 to Performance Specification MIL-PRF-19500P, Semiconductor Devices, FSC 5961, and performance specification /412F. This qualification was performed to qualify a change in die geometry. 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 Qualified Manufacturers List (QML) 19500. This listing will supercede the listing under report 19500-459-78. This qualification is effective as of June 2, 2016. The starting lot date code is 1403.

The qualification lot thermal impedance conditions and upper limits are as follows (subject to change after 5 lots with the approval of the qualifying activity):

V_{CE}	I_C	P_t	t_{MD}	$Z_{\theta JX}$ (Screening)	$Z_{\theta JX}$ (QCI)
20 V	5 A	100 ms	80 μ s	0.43 °C/W max	0.43 °C/W max

Government Designation	Lead Finish	ESD Class <u>6</u> /	Manufacturer Designation	Test Report Reference	Perform. Spec.	Manufacturer Name & Address
** 2N3846	A	2	CDCD	19500-4690-16	/412	Same as above
** 2N3847						

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

** Includes JAN, JANTX & JANTXV quality levels

Plant 1: Same as above

This qualification is based upon test report number 19500-4690-16 for your die & package, your data, and your letter dated April 21, 2016. This Qualification is subject to the conditions as stated in the 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, please contact Mr. Deslich 614-692-0593.

Sincerely,

for ALAN J. WILL
 Chief
 Sourcing and Qualifications Division