



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

February 19, 2016

Ms. Karina Perales Reyes
 Quality Assurance Manager
 Semtech Corpus Christi S.A. de C.V.
 Carretera A Matamoros KM 9
 Brecha E-99, Edificio 9, Parque Industrial Reynosa
 CD, Reynosa, Mexico CP 88500

Dear Ms. Reyes:

Re: Notification of Qualification by Extension, MIL-PRF-19500P, FSC 5961, VQ (VQE-16-030121),
 CAGE Code: SH879, Control Number: 049223.

Qualification by Extension of your products is approved under the current issue of the specification as a result of successful testing of device type JAN1N5552US as allowed by Performance Specification MIL-PRF-19500P, Semiconductor Devices, FSC 5961 and performance specification /420. This qualification is due to a product change from silver end caps to copper end caps. Extension is granted to the other devices listed below as allowed by paragraph E.4.2.2 (Qualification by extension). Therefore, your products will continue to be listed as shown below in Qualified Manufacturers List (QML) 19500. The effective date of this qualification is February 19, 2016. The starting wafer batch number is AEL R13554 with a starting lot date code of 1515.

The qualification lot Thermal Impedance screening limit is as follows (subject to change after 5 lots):

Package	I _M	I _H	t _H	t _{MD}	Z _{θJX} (LCL)	Z _{θJX} (UCL)
US	10mA	30A	10ms	70 μs	.323 °C/W	.411 °C/W

Government Designation	ESD Class	Manufacturer Designation	Test Report Reference	Prf Spec	Manufacturer Name & Address
§1N5550US thru §1N5554US	NS	CDBV	19500-4554-15	/420	Same as above

§ Includes JANS quality levels only

Plant (1): Same as above

This qualification approval is based upon test report number 19500-4554-15 for your die and axial package, your letter dated November 13, 2015 requesting qualification extension to the US packages. Please note that test report number 19500-4614-16 was assigned to your data but will not be referenced on the QML. This qualification approval 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. Barone at 614-692-0510.

Sincerely,

ALAN WILL
 Acting Chief
 Sourcing and Qualifications Division