



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

November 20, 2015

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 Re-Qualification, MIL-PRF-19500P, FSC 5961, VQ (VQE-15-029800), CAGE Code: SH879, Control Number: 048813.

Re-qualification of your products is approved under the current issue of the specification as a result of successful testing of device type JAN1N5554 as allowed by Performance Specification MIL-PRF-19500P, Semiconductor Devices, FSC 5961 and performance specification /420M. This re-qualification was necessitated due to a change in wafer diameter. 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. The effective date of this qualification is November 20, 2015. The starting wafer batch number is 1027278/36377.1 with a starting lot date code of 1523.

The qualification lot Thermal Impedance screening limit (2-sigma) is as follows (subject to change after 5 lots):

Package	I <sub>M</sub>	I <sub>H</sub>	t <sub>H</sub>	t <sub>MD</sub>	Z <sub>θJX</sub> (UCL)
Axial	10mA	30A	10ms	70 μs	0.385°C/W

Government Designation	ESD Class	Manufacturer Designation	Test Report Reference	Prf Spec	Manufacturer Name & Address
** 1N5550 thru 1N5554	NS	CDBV	19500-4554-15	/420	Same as above
** 1N5614 thru 1N5622				/427	
** Includes JAN, JANTX, JANTXV quality levels				Plant (1): Same as above	

This qualification approval is based upon test report number 19500-4554-15 for your re-qualified die, your letter dated July 31, 2015 and your ESD classification re-testing data completed on November 17, 2015. This 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. Karadsheh at 614-692-0611.

Sincerely,

for **JOSEPH GEMPERLINE**  
 Chief  
 Sourcing and Qualifications Division