



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

April 24, 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, Amend 1, FSC 5961, VQ (VQE-15-029419),
 CAGE Code: SH879, Control Number: 046524

Re-qualification of your products is approved under the current issue of the specification as a result of successful testing of device type JAN1N5811 as allowed by Performance Specification MIL-PRF-19500P, Amend 1, Semiconductor Devices, FSC 5961 and performance specification /477K. This re-qualification is due to a change in the die passivation process for better reliability. 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 April 17, 2014. The starting wafer lot is M089870 with a starting lot date code of 1431.

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)
Axial	10mA	10A	10ms	70 μs	0.717°C/W	0.901°C/W

Government Designation	ESD Class	Manufacturer Designation	Test Report Reference	Prf Spec	Manufacturer Name & Address
** 1N5807;1N5809;1N5811	NS	CDBV	19500-4431-15	/477	Same as above
** 1N5807;1N5809;1N5811 3/			19500-2474-09		

3/ Traceable die bank being utilized

** Includes JAN, JANTX, JANTXV quality levels

Plant (1): Same as above

This qualification approval is based upon test report number 19500-4431-15 for your re-qualified die and package, your letter dated January 9, 2015 and subsequent emails. This qualification report will supersede the one listed above once all inventory is depleted. These changes will be reflected in the QML. 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. DelloStritto at 614-692-0616.

Sincerely,

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