



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

IN REPLY
 REFER TO

DLA LAND AND MARITIME-VQ (VQE-11-022273/Mr. Michael)

April 1, 2011

SUBJECT: Notification of Qualification Extension, MIL-PRF-19500N, FSC 5961, Cage: 34156

Mr. Holger Hellwig
 Semicoa Corporation
 333 McCormick Avenue
 Costa Mesa, CA 92626-2613

Dear Mr. Hellwig:

This letter amends VQE-11-021251 to include the non-radiation hardened part numbers listed below. This was requested in an email from Mr. Alan Johnson of Semicoa Corporation.

Qualification by extension of your product is granted under the current issue of the specification as a result of successful total dose radiation qualification testing results of device type JANSR2N2219A, as allowed by paragraph E.4.2.2 (Qualification by Extension) of Performance Specification MIL-PRF-19500N, Semiconductor Devices, FSC 5961, and performance specification /251 Revision R. Therefore, your products will be listed as shown below in the Qualified Manufacturers List (QML) 19500. The effective date of this qualification is October 15, 2010. The wafer lot date code is J1840.

The qualified thermal impedance conditions for screening and QCI limits are as follows (subject to change after 5 lots with approval from qualifying activity): VCE= 10V, I_M= 10 mA, I_H= 90mA, t_H= 30ms, T_{MD}=100us, Z_{θjx} = 36°C/W maximum : Z_{θjx}= 37 °C/W maximum (QCI) for T0-39/T0-5 packages .

Government Designation	ESD Class	Manufacturer Designation	Test Report Reference	Prf Spec	Manufacturer Name & Address
§R 2N2219; A;AL § 2N2219; A;AL	3A	CEJJ	19500-2292-10	/251	Same as above

Plant 1: Same as above

§ Includes JANS quality level only

This qualification approval is based upon test report numbers 19500-2292-08 for the die, 19500-683-92 for your package, your email request dated September 2, 2010 and your email data sent October 13, 2010. Test report 19500-2941-10 has been assigned to the Group D and thermal test data, but will not be reflected in the QML-19500. 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.

Sincerely,

/SIGNED/

JOSEPH GEMPERLINE
Chief
Sourcing and Qualifications Division