



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

November 28, 2011

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

Dear Mr. Hellwig:

Re: Notification of Re-Qualification, MIL-PRF-19500P, FSC 5961; VQ (VQE-12-023522)
 CAGE Code: 34156; Control # 034833

Qualification of your product is granted under the current issue of the specification as a result of successful qualification testing of device type JANTX2N3960 to Performance Specification MIL-PRF-19500P, Semiconductor Devices, FSC 5961, and performance specification /399E. This re-qualification was generated as a result of a modification in the base diffusion process. Additionally, an update on the ESD classification for structurally identical devices was requested. Qualification is granted to the other devices listed below as allowed by paragraph E 4.2.2 of MIL-PRF-19500 (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 10, 2011. The wafer lot used for this qualification was J1936B and lot date code is 1131.

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

VCE=10V, I_M = 1mA, I_H = 50mA, t_H = 30ms, t_{MD} = 100us, Z_{Ojx} = 60°C/W maximum; Z_{Ojx} = 62°C/W maximum (QCI)

| Government Designation | ESD Class | Manufacturer Designation | Test Report Reference | Prf Spec | Manufacturer Name & Address |
|--|-----------|--------------------------|-----------------------|----------------------|-----------------------------|
| ** 2N3960; UB | 1C | CEJJ | 19500-3394-12 | /399 | Same as above |
| ** 2N918; UB | 1C | | | /301 | |
| § 2N918; UB | | | | | |
| §F 2N918; UB | | | | | |
| § Includes JANS quality level only | | | | Plant: Same as above | |
| ** Includes JAN, JANTX, JANTXV quality levels only | | | | | |

This qualification approval is based upon test report number 19500-3394-12 for your for your die and package, your letter dated October 21, 2011 requesting qualification and re-classification on ESD rating. 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,

/SIGNED/

JOSEPH GEMPERLINE
 Chief

Sourcing and Qualifications Division