



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

May 25, 2016

Mr. Harry James
 Semicoa Corporation
 333 McCormick Avenue
 Costa Mesa, CA 92626

Dear Mr. James:

Re: Notification of Re-Qualification, MIL-PRF-19500P, Amend 3, FSC 5961, VQ (VQE-16-030396),
 CAGE 34156; Control Number: 050794.

Re-Qualification of your product is granted based on successful testing for device JANS2N2222AUBC as allowed by paragraph 4.1 of Performance Specification MIL-PRF-19500P, Amendment 3, Semiconductor Devices, FSC 5961 and performance specification sheet 255, Rev AA. Extension is granted to the other device types listed below as allowed by paragraph E.4.2.2 of MIL-PRF-19500. This re-qualification was initiated to validate the reliability of the 4-inch wafer/die being used in the manufacturing and testing of QML products. Therefore, your products will be listed as shown below in the Qualified Manufacturers List (QML) 19500. The starting lot date code is 1546. The effective date of this qualification is May 25, 2016.

Thermal Conditions (subject to change after 5 lots with approval from the qualifying activity)							
Package	V _{ce}	I _m	I _H	t _H	t _{MD} *	Z _{θJX} (Screening)	Z _{θJX} (QCI)
UA/UB/UBC	10 V	1mA	50mA	30 msec	100 μsec	39.0°C/W max	40.0°C/W max
*Correlated with t _{MD} 70 μs							

Government Designation	Lead Finish	ESD Class <u>6/</u>	Manufacturer Designation	Test Report Reference	Prf. Spec	Manufacturer Name & Address
S 2N2221AUA; AUB	A	1B	CEJJ	19500-4687-16	/255	Same as above
S 2N2221AUBC						
SF 2N2221AUA; AUB						
SF 2N2221AUBC						
** 2N2221AUA, AUB						
** 2N2221AUBC						
VF 2N2221AUA; AUB						
VF 2N2221AUBC						
S 2N2222AUA; AUB						
S 2N2222AUBC						
SF 2N2222AUA; AUB						
SF 2N2222AUBC						
** 2N2222AUA, AUB						
** 2N2222AUBC						
VF 2N2222AUA; AUB						
VF 2N2222AUBC						

6/ Testing is compliant to the latest revision of MIL-STD-750 Test Method 1020.3

S Includes JANS quality level only

V Includes JANTXV quality level only

** Includes JAN, JANTX, and JANTXV quality levels

Plant (1): Same as above

This qualification approval is based upon test report numbers 19500-4687-16 for your die and package, 19500-4648-16 for Group D data and your letter dated April 12, 2016. 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.

If you have any questions concerning this letter, please contact Mr. Carl DelloStritto (614) 692-0616.

Sincerely,

ALAN J. WILL
Chief
Sourcing and Qualifications Division