



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

June 24, 2015

Alex Chang  
President  
Golden Altos Corporation  
402 South Hillview Drive  
Milpitas, CA 95035-5464

Dear Mr. Chang:

Re: Q AND V Level Assembly and Test Certification; MIL-PRF-38535; FSC 5962; V VQC-15-029221; McNulty. CN: 045880.

Golden Altos Corporation has demonstrated to the DLA Land and Maritime that it complies with MIL-PRF-38535, the performance specification used by the Department of Defense for monolithic integrated circuits.

Golden Altos Corporation is granted Q and V Level Assembly and Test Certification for the process flows and materials used to assemble and test QML products for the quality assurance levels listed in the enclosure. This assembly and test certification listing includes subcontractors approved by Golden Altos Corporation and as documented in their Quality Management Plan.

Testing must be performed using the facilities and methods listed in the Laboratory Suitability letter DLA Land and Maritime- VQC-15-029220, or at facilities approved by Golden Altos Corporation Technical Review Board (TRB) using its MIL-PRF-38535 Quality Management Program Plan.

This certification is subject to the conditions in DoD 4120.24-M, Defense Standardization Program and SD-6.

All of the facilities mentioned on the enclosure are subject to an audit by the DLA Land and Maritime Qualifying Activity at any time.

Golden Altos Corporation shall notify the DLA Land and Maritime Qualifying Activity immediately after learning of a potential issuance of a GIDEP alert, problem advisory or major quality/reliability problem on their assembly and test processes. Failure to provide prior notification may be grounds for removal of their MIL-PRF-38535, Q and V Assembly and Test certification.

In addition, it is requested that the following activities be reported promptly to DLA Land and Maritime:

- Changes to certified facilities, process flows, or approved testing subcontractors.
- Problem evaluation and a corrective action when:

- A Technology Conformance Inspection (TCI) failure has been validated
  - The reliability of shipped parts is questionable.
- Test optimization, including:
  - Implementation - paragraph J.3.12, Appendix J, MIL-PRF-38535
  - Changing, suspending or canceling a prior test optimization
- Additions or deletions of parts in the QML-38535
- Change of company QML contact or other key QML personnel
- Changes in test methods and conditions

This Assembly and Test certification is valid until terminated by written notice from the DLA Land and Maritime Qualifying Activity. If warranted, it may be withdrawn by this center at any time.

If you have any questions please contact Mr. Sean McNulty at (614) 692-8800.

Sincerely,

MICHAEL S. ADAMS  
Chief  
Custom Devices Branch

ENCLOSURE

Visit us on the web at: [http://www.landandmaritime.dla.mil/offices/sourcing\\_and\\_qualification/](http://www.landandmaritime.dla.mil/offices/sourcing_and_qualification/)

Enclosure to DLA Land and Maritime-VQ (VQC- VQC-15-029221)

<b>OPERATION</b>	<b>FACILITY</b>	<b>LOCATION</b>	<b>CAPABILITY</b>
<b>Design</b>	Golden Altos	402 South Hillview Dr. Milpitas, CA 95035	Burn-in Test Boards
<b>Assembly</b>	Golden Altos	402 South Hillview Dr. Milpitas, CA 95035	Weld & Solder & Glass GAF # 1492 Rev 06  CERDIP (window and non-window), CERQUAD (window and non-window), 4- 48 CERDIP, 8-64 SIDEBRAZE, 3-84 LCC, JLCC, 6-224 LDCC, TO3, TO5, TO8, TO18, TO39, TO46, TO99. , 20- 304 CQFP, CERAMIC 14-32 SOIC, 44-476 PGA (cavity up or cavity down )
<b>Die Attach Material</b>	Golden Altos	402 South Hillview Dr. Milpitas, CA 95035	1. Silver Glass: QMI 2569 2. Silver Filled Epoxy: JM 7000 3. Gold Tin Eutectic 4. Gold Eutectic Silicon
<b>Capacitor Attach Material</b>	Golden Altos	402 South Hillview Dr. Milpitas, CA 95035	Inside Cap: JM 7000 / QM2569 Outside Cap: (Pb-Free) = 96.5 Sn /3.0 Ag / 0.5Cu (with Pb) = 63 Sn / 37 Pb
<b>Wire Type and Wire Size</b>	Golden Altos	402 South Hillview Dr. Milpitas, CA 95035	1. Aluminum wire (wedge bonding): 0.7-3.0 mils 2. Gold wire (gold ball/ gold wedge bonding): 0.7-1.25 mils
<b>Lead Finish</b>	Golden Altos	402 South Hillview Dr. Milpitas, CA 95035	Solder Dip
	Six Sigma (Backup)	905 Montague Expressway Milpitas, CA 95035	Solder Dip
<b>Sealing</b>	Golden Altos	402 South Hillview Dr. Milpitas, CA 95035	1. Solder Seal (Gold-Tin Eutectic) 2. Glass Seal
<b>Screening/Environmental Testing</b>	Golden Altos	402 South Hillview Dr. Milpitas, CA 95035	As listed in the DLA Land and Maritime Laboratory Suitability, DLA Land and Maritime-VQ (VQC-15- 029220)

<b>OPERATION</b>	<b>FACILITY</b>	<b>LOCATION</b>	<b>CAPABILITY</b>
<b>Others Services</b>	Golden Altos	402 South Hillview Dr. Milpitas, CA 95035	Wafer Saw (3 to 12 inch) Die Preparation Marking Demark and Remarking Lead Trim Tape Lids
<b>Subcontractors</b>	ICE (Innovative Circuits Engineering)	2310 Lundy Ave. San Jose, CA 95131	ESDS, Burn-in
	Integra Technologies, LLC	3450 N Rock Rd Wichita, KS 67266	Burn-in
	Atlantic Analytical Laboratory	P.O. Box 220 (291 Rte. 22 East) Salem Industrial Park – Bldg. #4 Whitehouse, NJ 08888	Internal Water Vapor Residual Gas Analysis
	Evans Analytical Group	2710 Walsh Ave. Santa Clara, CA 95054	Thermal Shock
	Hi-Reliability Microelectronics	1804 McCarthy Blvd., Milpitas, CA 95035	Vibration, Variable Frequency PGA Destructive Lead Pull
	NDT Laboratories	240 E. Caribbean Drive Sunnyvale, CA 94085	Radiography
	Quanta Laboratories	3199 De La Cruz Blvd. Santa Clara, CA 95054	Mechanical Shock
	Six Sigma	905 Montague Expressway Milpitas, CA 95035	Solder Dip Solderability
	E.A.S.T.	757 N. Pastoria Ave. Sunnyvale, CA 94085	Thermal Shock
	Pernika Corp.	112 Racquette Drive Fort Collins, CO 80524	Internal Water Vapor Residual Gas Analysis