



DEFENSE LOGISTICS AGENCY

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

March 4, 2024

Arlen Chou
President
Golden Altos Corporation
44061 Old Warm Springs Blvd
Fremont, CA 94538

Dear Mr. Chou:

Re: Q AND V Level Assembly and Test Certification; MIL-PRF-38535; FSC 5962; VQ(VQC-24-038515);. CN: 087303.

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-24-038514, 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. Paul Granchi at (614) 692-9975.

Sincerely,

ROBERT M. HEBER
Chief
Sourcing and Qualifications Division

ENCLOSURE

Visit us on the web at: http://www.landandmaritime.dla.mil/offices/sourcing_and_qualification/

OPERATION	FACILITY	LOCATION	CAPABILITY
Design	Golden Altos	44061 Old Warm Springs Blvd, Fremont, CA 94538.	Burn-in Test Boards
Assembly	Golden Altos	44061 Old Warm Springs Blvd, Fremont, CA 94538.	Weld & Solder & Glass GAF # 1492 Rev 08 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)
Die Attach Material	Golden Altos	44061 Old Warm Springs Blvd, Fremont, CA 94538.	1. Silver Glass: QMI 2569 2. Silver Filled Epoxy: JM 7000 3. Gold Tin Eutectic 4. Gold Eutectic Silicon
Capacitor Attach Material	Golden Altos	44061 Old Warm Springs Blvd, Fremont, CA 94538.	Inside Cap: JM 7000 / QM2569 Outside Cap: (Pb-Free) = 96.5 Sn / 3.0 Ag / 0.5Cu (with Pb) = 63 Sn / 37 Pb
Wire Type and Wire Size	Golden Altos	44061 Old Warm Springs Blvd, Fremont, CA 94538.	1. Aluminum wire (wedge bonding): 0.7- 15 mils

OPERATION	FACILITY	LOCATION	CAPABILITY
			2. Gold wire (gold ball/ gold wedge bonding): 0.7-1.25 mils 3. Gold Ribbon bond Wire Dimensions: 1.0 x 2.0 – 1.0 x 10.0
Lead Finish	Golden Altos	44061 Old Warm Springs Blvd, Fremont, CA 94538.	Solder Dip
	Six Sigma (Backup)	905 Montague Expressway Milpitas, CA 95035	Solder Dip
Sealing	Golden Altos	44061 Old Warm Springs Blvd, Fremont, CA 94538.	1. Solder Seal (Gold-Tin Eutectic) 2. Glass Seal 3. Weld 4. Seam Seal
Screening/Environmental Testing	Golden Altos	44061 Old Warm Springs Blvd, Fremont, CA 94538.	As listed in the DLA Land and Maritime Laboratory Suitability, DLA Land and Maritime-VQC-24-038514
Others Services	Golden Altos	44061 Old Warm Springs Blvd, Fremont, CA 94538.	Wafer Saw (3 to 12 inch) Die Preparation Marking Demark and Remarking Lead Trim Tape Lids
Subcontractors	ICE (Innovative Circuits Engineering)	2310 Lundy Ave. San Jose, CA 95131	ESDS
	Oneida Research Services, Inc.	8811 American Way, Suite 100 Englewood, Colorado 80112	Internal Water Vapor Residual Gas Analysis
	Micross Milpitas	1804 McCarthy Blvd.,	Vibration, Variable Frequency

<u>OPERATION</u>	<u>FACILITY</u>	<u>LOCATION</u>	<u>CAPABILITY</u>
		Milpitas, CA 95035	PGA Destructive Lead Pull
	NDT Laboratories	240 E. Caribbean Drive Sunnyvale, CA 94085	Radiography/Vibration
	ECR	916 Commercial Street Palo Alto, CA 94303	Radiography, Vibration Salt ATM, Mechanical Shock, Moisture Resistance, DPA & FA
	Quanta Laboratories	3199 De La Cruz Blvd. Santa Clara, CA 95054	Mechanical Shock
	Six Sigma	905 Montague Expressway Milpitas, CA 95035	Solder Dip Solderability
	Eurofins EAG Laboratories	103 Commerce Blvd. Liverpool, NY 13088	Internal Water Vapor Residual Gas Analysis