



GENERAL:

QC001 – Quality System

The supplier shall maintain an approved quality system. The quality system should include, but not be limited to, contract review, document control, control of quality records, traceability, process controls, measuring and test equipment, inspection and test status; control of nonconforming product, handling, storage, packaging, preservation and delivery.

ACDi reserves the right to conduct surveys of the supplier's facilities to determine the adequacy of the quality system.

QC002 - Quality Manual

A copy of the supplier's quality manual or equivalent shall be available for review upon request.

QC003 - Quality Management System

The supplier's quality system shall be compliant with ISO 9001 or an applicable quality system that has been flowed down per the Statement of Work.

QC004 - Workmanship

All items must conform to workmanship requirements as specified on applicable drawings and specifications. If no workmanship is specified, the items shall be fabricated and finished to industry acceptable standards.

QC005 - Configuration Control

The supplier agrees not to make any changes in this part at any time in the future which would affect physical or functional interchangeability, reliability or repair and maintenance operations unless this part identification is changed.

INSPECTION:

QC006 – Source Inspection

ACDi reserves the right to require acceptance of material on the purchase order prior to shipment from the supplier's facility. Acceptance at the supplier's facility does not negate the supplier's responsibility, as the supplier, to meet all the requirements for the contract/specification. The supplier will give three days minimum advance notice for source inspection coverage. Final acceptance is subject to review at buying facility, with accompanying source approvals for shipment.

QC007 – Certificate of Conformance

The supplier must submit a Certificate of Compliance (CoC), in the supplier's own format, to certify that the materials and processes used in the parts supplied on the order meet all the drawing,



functional performance testing, specification and contract requirements. The CoC should include the following:

1. Supplier's name and address
2. ACDi purchase order number
3. Part number and revision
4. Serial or lot number(s) as applicable
5. Date code(s) as applicable
6. Quantity
7. Certifying signature, title and date

QC008 – First Article Inspection

The supplier shall complete a first article inspection (FAI) to all drawing requirements (dimension and notes). The FAI data shall accompany the first lot of materials shipped against this order. The data submitted shall be parametric data to show compliance with drawing requirements. The data shall consist of, as a minimum, each variable measured, its tolerance, drawing zone and actual measurement for each item.

QC009 – Inspection Data

Inspection data for the items submitted under this purchase order shall be maintained and be made available upon ACDi's request for review.

PRODUCT CONFORMITY:

QC010 - Material Certifications

The supplier shall provide certification, in the supplier's own format, for all materials used in the manufacture of this product. The certifications shall, as a minimum, include the following:

1. Supplier's name and address
2. Part number and revision level when applicable
3. Material composition
4. Lot number(s), batch
5. Mechanical properties, as applicable
6. Certifying signature, title and date

QC011 - Product Nonconformance

Items, products or materials not conforming to requirements of this purchase order/subcontract, drawing, specification, test, etc., shall not be shipped to ACDi without prior written approval of ACDi Quality Assurance. Shipment approval request shall be made through ACDi's buyer. Failure to comply may result in return of the shipment at the supplier's expense.

QC012 - Packaging and Shipping



Materials are to be shipped in containers in keeping with commercial practices to preclude any damage during shipping and storage to ACDi. Each container shall be identified on the outside with the ACDi purchase order number. Failure to do this will result in payment delay and possible return of the delivery. Each sub package shall be identified with the part number.

QC013 - Final Acceptance

All items on this order shall be processed through ACDi's receiving inspection for final acceptance.

QC014 - Shelf Life Data

The supplier shall state, in writing, the starting date, shelf life and expiration date for all limited shelf life items supplied under this order. All items shall have 80% or more of their shelf life remaining at the time of shipment to ACDi.

QC015 - Electrostatic Discharge (ESD)

Devices susceptible to ESD must be packaged so that no static damage can occur during shipment to ACDi. Suppliers shall identify items as ESD sensitive with proper markings on packaging and/or containers.

QC016 - Part Identification

All items supplied under this order shall be identified with complete nomenclature and part numbers as specified by the applicable drawing, specification, catalog, P.O., etc.

QC017 – Safety Data Sheet

A safety data sheet shall be provided with hazardous material when delivered to ACDi.

QC018 – Lot Control

Items supplied under this purchase order shall be from one (1) date code and/or lot code. The date/lot code shall be recorded on the packing list, certification and other applicable documents.

QC019 – Counterfeit Part, Material and Process Avoidance and Certification

Suppliers shall ensure that parts, material or processes are procured only through Original Equipment Manufacturers (OEMs)/Original Component Manufacturers (OCMs) or their authorized suppliers.

The supplier shall provide a CoC to certify that the shipment does not contain any "suspect" or "known" counterfeit part, material, or process per the requirements below. Any use of other than an OEM/OCM or authorized supplier requires ACDi's written approval prior to procurement and use, and shall be contained within the deliverable data package.

1. The supplier shall verify the procurement source and associated certifying documentation.
2. Supplier's receiving inspection process shall utilize incoming inspection or test methods, or both, to detect potential counterfeit parts, material or processes.



3. The supplier shall flow this clause in its entirety or equivalent down to all lower tier subcontracts to prevent the inadvertent use of counterfeit parts, material or processes.

QC020 – Counterfeit EEE Parts

The supplier shall meet the requirements of AS5553, Counterfeit EEE Part Avoidance, Detection, Mitigation and Disposition. Supplier compliance to AS5553 may be subject to ACDi on-site review and approval.

QC021 – Moisture Sensitive Devices (MSD)

The packaging of Moisture Sensitive Devices must follow the requirements of IPC/JEDEC standard J-STD-033, or at the least,

- SMD Packages and Carrier Materials must be dry before being sealed in Moisture Barrier Bag (MBB)
- MBB must consist of desiccant material and a Humidity Indicator Card (HIC), and sealed with the SMD.
- MBB must be properly identified, including classified moisture sensitive level (MSL)

QC038 - Traceability

All items furnished on this order shall have documentation on file for the time period specified on the purchase order to permit traceability from the delivered item back through its manufacture and inspection to the procurement records on its constituent parts and materials. **If no time limit is specified on the PO, a minimum of three years traceability is required.**