



“When Quality and Service Matter”

Laketronics Quality Notes

The Laketronics Quality Note's (LQN) that are listed in this document are applicable to material supplied in accordance with the Purchase Order (PO) that they are referenced. If an LQN referenced on the PO is not listed, contact Laketronics for further information. Failure to comply with the LQN's listed on the PO, will be cause for rejection of material in Laketronics Receiving Inspection. In the event of conflict between the requirements listed herein and PO text, the PO shall prevail.

LQN-1 Quality Management System

The supplier shall have and maintain a documented quality management system in accordance with AS9100, ISO9001 or equivalent. The quality management system may be subject to an audit and also approval by Laketronics or its customers.

LQN-2 ESD Protection

Any components that are ESD sensitive shall be manufactured and handled in accordance with ANSI/ESD-S20.20.

LQN-3 Soldering Requirements IPC J-STD-001

Any components requiring solder operations shall comply with IPC J-STD-001E, Class 3. Inspection and training records shall be retained for a minimum of 7 years and made available at Laketronics request. All associated documents in IPC J-STD-001E are applicable.

LQN-4 Workmanship

All components must be manufactured in a documented and controlled process that meets or exceeds the IPC-A-620 class3 and/or IPC-A-610, Class 3. Objective evidence of workmanship instructions, Inspection records, and training records shall be retained and available by the supplier for Laketronics review upon request.

LQN-5 On Time Delivery

Laketronics requires that all suppliers adhere to the delivery time window of no more than five days early and zero days late.

LQN-6 Purchasing Information Flowdown

Suppliers shall Flowdown, if applicable, the requirements of the PO. This includes all applicable but not limited to AS9100, Specifications, Statutes, Drawings, or other terms dictated by a QMS as specified in the PO.

LQN-7 First Article Inspection

An FAI report must be supplied, where applicable, with purchased components to the requirements of AS9102. This includes, but is not limited to, items that are manufactured, assembled and tested to applicable Mil-Specs. Common commercial (e.g. COTS parts) are exempt from this requirement.

LQN-8 Foreign Object Debris (FOD) Program

Suppliers shall have procedure implemented to prevent foreign objects or material in purchased components. Laketronics suppliers shall maintain handling, in process protection, housekeeping, work area accountability, parts, and byproducts in a manner to prevent the risk of FOD occurrences. The suppliers FOD Program shall be subject to audit and to Laketronics or their customers review and approval.

LQN-9 Certificate Of Conformance

Laketronics suppliers shall include a Certificate of Conformance with each shipment. The certificate shall contain at a minimum the following, if applicable;

1. Original manufacturers and distributors name and address
2. Laketronics PO number, line item and revision
3. Part number, revision and quantity
4. Drawing or specification number and revision
5. Serial numbers, date codes, or batch number
6. Statement of conformance to requirements
7. Authorized agents signature, title and date

LQN-10 Preference for domestic specialty metals

Laketronics PO's incorporates preference for domestic specialty metals. PO's and next level customers, prohibits any supplier at any tier from incorporating specialty metals into military parts, components and/or end item deliverables unless the specialty metals have been smelted or produced in the United States, its outlying areas, or a qualifying country listed in DFARS 225.872-1.

If you believe exemptions apply please provide specifics to Laketronics with the appropriate documents and information.

LQN-11 Counterfeit Material Avoidance Requirements

Suppliers shall maintain a counterfeit material avoidance and mitigation process using AS5553 as a guide and be able to produce for review by Laketronics. If supplier does find counterfeit components in the process of supplying components to Laketronics, supplier will immediately notify Laketronics. Supplier shall purchase components directly from OEM, OCM, or from authorized distributors and have traceability records, test data to support documentation. Suppliers are not authorized to deliver any components from any other than those noted above without written consent from Laketronics.