



REVISION HISTORY			
REV	DATE	ORIGIN	REASON FOR CHANGE(S)
A	12April18	Rachel Perry	New
B	17May18	Daniel Crouse	Added PCN language
C	02Aug19	Rachel Perry	Updated FAIR requirements under First Article Inspection Requirement and Subsequent Shipments.
D	23Jun21	Rachel Perry	Remove Customer Link as it was added to PO Message and updated applicable sentence.

### **Q-CODE Q46B QUALITY REQUIREMENTS**

The following are the quality requirements for product purchased under Q-code Q46B. These requirements are specific to our customers L3 Aviation Products and L3 Interstate Electronics Products. This includes but is not limited to granting the right of access to the supplier's facilities and all applicable records to Plexus, their customers L3 Aviation Products and L3 Interstate Electronics Products and regulatory authorities with the acceptance of this Purchase Order, flow down all applicable requirements to sub-tier suppliers including key characteristics and retention of all records for a minimum of 10 years that support the manufacturing or material per the requirements of this Plexus customer. Unless a written waiver is received from Plexus, the supplier agrees to abide by the quality requirements listed below **for Acceptance of Custom Engineered Components**.

In addition to the PO requirements and requirements set forth below, please also ensure compliance to our customer requirements using the https:// link that is included in the PO Message for L-3 Aviation Products Division or L-3 Display Systems.

#### **ALL Shipments:**

**Shipments and handling of Export Controlled Items, Data, or Services** - Supplier will be required to meet the documentation and quality requirements as follows:

The Supplier agrees to comply with The Arms Export Control Act, 22 U.S.C 2751-2794, the International Traffic in Arms Regulation (ITAR), 22 C. F. R. 120 - 130, the Export Administration Act, 50 U.S.C. app 2401-2420, and the Export Administration Regulations, 15 C.F.R. 730-774 for this product, all specifications, and associated documentation. This includes, but is not limited to:

- Export controlled items, data, or services, or any element thereof, will not be exported from the United States without U.S. Government authority and the express written authorization of a Plexus ITAR Empowered Official.
- Export controlled items, data, or any element thereof, will not be transferred or disclosed to foreign persons including transfer to foreign persons employed by or associated with, under contract to Sub-tier suppliers including transportation carriers.
- Import Licenses will be provided with all shipments where applicable.

**First Production Run (1<sup>st</sup> Shipment)/Change to Product/2 years or more since last built** Before a product can be released for production the supplier will be required to meet the documentation and quality requirements as follows:

**A. First Article Inspection Requirement** - Supplier will execute the Aerospace First Article Inspection requirements

f the SAE standard, AS9102 and provide the results to Plexus with each shipment in which the requirement is to be executed.

- Special processes utilized by the supplier will require written approval from Plexus prior to performing for review and approval. If approved, a certificate of conformance is required that includes the applicable name of, specification number, type and class of material or process used.
- All dimensions and specifications on drawing must be verified and be within print tolerance. Plexus must be contacted and approve any dimension that is not within print specification in writing before product/parts/assembly can be shipped. The FAIR must also include all the applicable tooling/equipment numbers and the expiration dates for the tools and equipment used.
- A bubble diagram indicating all applicable features, characteristics and notes must be provided as part of the FAIR submission.

**B. Materials and Process Certificates** - Material certifications must include a statement declaring that the items are manufactured from the material specified and that all raw materials used conform to all applicable PO and drawing specifications and are traceable to test reports at the point of manufacturer. Also to be included with each shipment are the reports of the raw materials used in fabrication that provide direct traceability to the raw stock of the chemical compositions and physical properties for every PO and Lot Number of finished part. Process certifications are to be provided as applicable (anodization, clear coating, paint, etc.) and chemicals used must have the remaining shelf life be greater than 80% of the stated shelf life.

**C. Certificate of Compliance** - Must include a statement of overall compliance to all the applicable specifications (statement is not required to list, but shall cover all the applicable specifications such as: drawing, PO, customer specifications, Plexus G9000-3, IPC Specification, etc.).

**It must also include the following information for traceability:**

- Name of Supplier (if different than the actual Manufacturer/OEM/OCM).
- Name of Manufacturer/OEM/OCM.
- Manufacturer's/OEM's/OCM's Part Number.
- The Manufacturer/OEM/OCM Lot Number. Each shipment, COC and Packing Slip Must Contain Only One Lot Number.
- Location or place of Manufacturer.
- If the product/part has a shelf life, the manufacturer or cure date, batch number, the shelf life and expiration date must be included (note: the remaining shelf life must be greater than 80% of the stated shelf life). Any special handling and/or storage requirements must also be included.
- Plexus Part Number ordered on the PO.
- EC level or Revision level as specified on the PO for the Plexus Part Number ordered.
- PO Number.

**D. Manufacturer Certificate of Compliance** - When the Manufacturer of the part is not the same as the supplier (e.g. a Distributer, Rep, etc.), a separate Manufacturer COC must be included along with the shipment. The Manufacturer COC must be traceable to the product/parts supplied. When the Manufacturer is the direct Supplier, this requirement is fulfilled with Item D.

**E.** All cartons, required documentation, labels, packaging and packing slips must have Plexus Part Number, EC level or Revision, quantity and PO Number listed on them.

**Subsequent Shipments** – The documentation and quality requirements for all subsequent shipments will be as follows:

- A. **First Article Inspection Requirement** - Supplier will execute **First Production Run requirements** and provide the results to Plexus with each shipment following any subsequent change that invalidates the previous First Article Inspection result per AS9102. In addition, products/parts held in inventory by the supplier for 2 or more years or not received by Plexus in 2 or more years **Must** have the **First Production Run requirements** performed to assure no revision change or product/part deterioration during storage. All dimensions and specifications on drawing must be verified and be within print tolerance. Plexus must approve any dimension that is not within print specification in writing before product/parts can be shipped. The FAIR must also include all the applicable tooling/equipment numbers and the expiration dates for the tools and equipment used.
- B. **Material and Process Certifications** - Same requirements as B above.
- C. **Certificate of Compliance** - Same requirements as C and D above.
- D. In addition to all other requirements listed, all required documentation, labels, packaging and packing slips must have Plexus part number, EC level or Revision, quantity and PO number listed on them.

*When the revision of the product/part changes, **First Production Run requirements** Must be completed as a new part Before the shipment of product/part to Plexus.*

The above listed required documentation must be submitted with each shipment. Shipments received without the completion and proper execution of these Quality Requirements is considered non-conforming and Plexus reserves the right to return to the supplier at the supplier's expense.

#### **Product change notification**

Upon acceptance of conforming product, documentation, and the requirements of this Q-code, the supplier's manufacturing process shall be considered "qualified". All changes require written approval from Plexus prior to implementation. Product or Process change notification requests (PCNs) shall be submitted to [pcns@plexus.com](mailto:pcns@plexus.com).