

REVISION HISTORY

<u>REV</u>	<u>DATE</u>	<u>ORIGIN</u>	<u>REASON FOR CHANGE(S)</u>
A	08/29/07	Sam Theabo	New
B	29SEP16	Eric Steif	Added clarification language to COC requirements
C	5/04/18	Daniel Crouse	Added PCN language

Q-CODE Q25A QUALITY REQUIREMENTS

The following are the quality requirements for product purchased under Q-code Q25A. Unless a written waiver is received from Plexus, the supplier agrees to abide by the quality requirements listed below.

First production run/Pre 1st Shipment - 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 of the SAE standard, AS9102 and provide the results to Plexus with each shipment in which the requirement is to be executed. With acceptance of, or receipt of product against this order the supplier agrees to allow Plexus, their customer and regulatory authorities the right of access to their facility and all applicable records.
- B. **Additional First Article Inspection Requirements**
 - Only one part or assembly will be selected and inspected as part of the First Article Inspection Requirement.
 - Raw materials must have direct traceability with the chemical and physical properties submitted to Plexus.
 - Special processes utilized by the supplier will require a certificate of compliance at a minimum.
- C. **Approved Cross-Section Lab Report** - The PCB supplier shall supply the Approved Lab report from the end customer with correlation to the product supplied. Typically, this report is produced by the supplier forwarding cross-sections to Plexus' end customer for micro-section analysis. The end customer will respond to the supplier with a Lab Report prior to shipment of the lot to Plexus indicating acceptance. The end customer will retain the cross-sections.
- D. **Contamination Test Report**
- E. **PCB for Solderability Sample** – Complete and physically intact PCB or Array as supplied for the Part Number. This should be segregated and boldly identified. The box containing the solderability sample must also be identified as such.
- F. **100% Electrical Testing Certificate or Stamp** – Including an Impedance Report on impedance designs.
- G. **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).
- H. All cartons, packing slips, reports and C.O.C.'s must have part number, EC level or revision, quantity, and P.O. 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, 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 part deterioration during storage. With acceptance of or receipt of product against this order the supplier agrees to allow Plexus, their customer and regulatory authorities the right of access to their facility and all applicable records.
- B. **Approved Cross-Section Lab Report** - Same as 1st Production Run
- C. **Contamination Test Report** – Same as 1st Production Run
- D. **100% Electrical Testing Certificate or Stamp** – Same as 1st Production Run
- E. **Certificate of Compliance** – Same as 1st Production Run
- F. A Solderability Sample as defined in E above when a revision is made that affects the physical shape or the outer layer artwork.
- G. All cartons, packing slips, reports and C.O.C.'s must have part number, EC level or revision, quantity and P.O.

*Notice: This document is considered "UNCONTROLLED" when it exists in any printed form.
See the Partner - Supplier section of the Plexus Web page for the current master of this Q-code.

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number listed on them.

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.