

## REVISION HISTORY

<u>REV</u>	<u>DATE</u>	<u>ORIGIN</u>	<u>REASON FOR CHANGE(S)</u>
A	27Jun17	Scott Ubl/ Paul Gettins	New added IC testing to Q22A
B	5/04/18	Daniel Crouse	Added PCN language

**Q-CODE Q22C QUALITY REQUIREMENTS**

The following are the quality requirements for product purchased under Q-code Q22C. Unless, a written waiver is received from Plexus, the supplier agrees to abide by the quality requirements listed below as well as G9000-3.

**1st Shipment** - The documentation and quality requirements for the 1st shipment are as follows:

- A. First Article Inspection Report - All dimensions and specifications on drawing must be verified and within print tolerance. Plexus must approve any dimension that is not within print specification in writing before product can be shipped.
- B. Cross-Section (with inspection data) per IPC-6012 section 3.6.2
- C. Ion Chromatography Test Report - results with individual element analysis shall be submitted to Plexus for all production 1st runs and New Product Introductions as part of the First Article Inspection report. (Ref. G9000-3 per IPC-TM-650 2.3.28)
- D. 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.
- E. 100% Electrical Testing Certificate or Stamp. Including an Impedance Report on impedance designs.
- F. 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.). The statement of compliance **must** include the name and location of the facility that manufactured the Printed Circuit Board.
- G. All cartons, packing slips, reports and certificates 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. Cross-Section (with inspection data) per IPC-6012 section 3.6.2 (not required for PCB's less than 8 layers)
- B. Contamination Test Report - ROSE or Modified (ROSE) extraction method is acceptable. (Ref. G9000-3 per IPC-TM-650 2.3.25.0/1 )
- C. 100% Electrical Testing Certificate or Stamp - Including an Impedance Report on impedance designs.
- D. 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.). The statement of compliance **must** include the name and location of the facility that manufactured the Printed Circuit Board.

- E. A Solderability Sample as defined in D when a revision is made that affects the physical shape or the outerlayer artwork.
- F. All cartons, packing slips, reports and certificates must have part number, EC level or revision, quantity and P.O. number listed on them.

The above listed documentation must be submitted with each shipment. Any shipment received without this documentation will be considered defective.

### **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).