

REVISION HISTORY

<u>REV</u>	<u>DATE</u>	<u>ORIGIN</u>	<u>REASON FOR CHANGE(S)</u>
A	12Jul18	Santhosh Kattookaran	New
B	21Oct19	Santhosh Kattookaran	Clarified sampling requirements for item C under subsequent shipments

Q-CODE Q3P QUALITY REQUIREMENTS

The following are the quality requirements for product purchased under Q-code Q3P. Unless a written waiver is received from Plexus, the supplier agrees to abide by the quality requirements listed below.

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

- A. First Article Inspection Report - the supplier will perform and document the results of a first article inspection on 3 individual pieces one each at the beginning, middle and end of production run. Please note the following
- The report must include the criteria, a measurement and acceptance of all characteristics.
 - The results must be included separately for each of the 3 individual pieces one each at the beginning, middle and end of production run.
 - The report must also include the measurement of CTQ for 9 samples 3 each at the beginning, middle and end of production run
 - Raw materials must have direct traceability with the chemical and physical properties.
 - Characteristics include dimensions, written requirements, drawing notes, features, labeling (part marking), any material requirements specified, etc.
 - Include completion of all specified tests with the results.
 - Include the corresponding balloon/bubble print which correlates the drawing requirements to the FAI results.
- B. Material Certificate – The material certification must include the verification of all the **materials** called out on the drawing or specifications, this includes any surface finishing and or 3rd party operations (Some examples include plating and/or or paint. The certificate must include a statement of declaration certifying that the materials used to manufacture this item meet the specifications and a list of actual materials used (the list must correlate to the callouts on the drawing or specification).
- 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 also must include the following information for traceability:

- Name of Supplier (if different than the actual OEM)
 - Name of Manufacturer
 - Manufacturer's Part Number
 - The manufacturer Lot # or Date Code, (Each shipment, COC and packing slip must contain only one lot or date code)
 - Location or place of Manufacture
 - If the product has a shelf life, the shelf life and expiration date must be included (note: the remaining shelf life must be greater than 50% of the stated shelf life)
 - 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
 - For all noted requirements and CTQ'S shall be provided with the attestation including company name, address, phone number, revision, quantity, purchase order number, part lot code, the date of manufacture and material .
- D. EU RoHS Certificate of Compliance (ROHS CoC) - For assemblies that are required to be EU RoHS compliant the supplier must provide a RoHS CoC at the homogeneous level for the purchased part number with the First Article Inspection report/first shipment. Parts used on RoHS compliant assemblies will be labeled as such (such as a Plexus PO note, a drawing note, a specification, etc.). If the assembly is compliant due to an EU RoHS exemption, identify the exemption on the certificate. It is preferred that the RoHS CoC includes material content data and follows the IPC 1752 format.
- E. 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. 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 also must include the following information for traceability:
- Name of Supplier (if different than the actual OEM)
 - Name of Manufacturer
 - Manufacturer's Part Number
 - The manufacturer Lot # or Date Code, (Each shipment, COC and packing slip must contain only one lot or date code)
 - Location or place of Manufacture
 - If the product has a shelf life, the shelf life and expiration date must be included (note: the remaining shelf life must be greater than 50% of the stated shelf life)
 - 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
 - For all noted requirements and CTQ'S shall be provided with the attestation including company name, address, phone number, revision, quantity, purchase order number, part lot code, the

date of manufacture and material

- B. Full first article inspection report for 2 samples one each at the beginning and end of production run.
- C. The report must also include the measurement of CTQ for 6 samples 2 each at the beginning 2 in the middle and 2 in the end of production run.
- D. Change Control – no changes will be made to the part, materials or manufacturing process unless the manufacturing process, validation and part has be re-qualified and approved by Plexus. Reference the Plexus Supplier Quality Manual for additional guidance.
- E. All cartons, packing slips, reports and certificates must have part number, EC level or revision, quantity and P.O. number listed on them package parts to prevent damage during shipping and handling .

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.