



<u>REV</u>	<u>DATE</u>	<u>ORIGIN</u>	<u>REVISION HISTORY</u> <u>REASON FOR CHANGE(S)</u>
A	1-2-20	Tony Nguyen	New

Q-CODE Q47C QUALITY REQUIREMENTS FOR OUTSIDE PROCESSES

The following are the quality requirements for product purchased under Q-code Q47C. 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 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 that support the manufacturing or material per the requirements of this Plexus customer. This includes but not limited to the right of access to the supplier's facilities at all level so of the supply chain and to all applicable records by Plexus, their customers and regulatory authorities. Unless a written waiver is received from Plexus, the supplier agrees to abide by the quality requirements listed below.

AS9100 Certification:

The supplier location(s) that perform or outsource the manufacturing/fabrication, product installation, servicing, additional inspection or test, physical re-identification, product assembly, and/or kitting processes, must have the AS/EN/JISQ 9100 certificate "Quality Management Systems Requirements for Aviation, Space and Defense Organizations". All the associated manufacturing processes must be included within the scope of certification. The AS/EN/JISQ 9100 certificate must be certified by an accredited certification body listed in the IAQG Online Aerospace Supplier Information System (OASIS) database. The supplier must evaluate and select distributors based on the distributors' ability to conform to an AS/EN/JISQ 9100, or AS/EN/SJAC 9120 quality management system.

Shipments and Handling of Export Controlled Items, Data, or Services:

Supplier will be required to comply with and meet the documentation and quality requirements of 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, the U.S. Customs regulations 19CFR134 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:

- 1) 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.
- 2) 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.
- 3) Import Licenses will be provided with all shipments where applicable.

- 4) Country of Origin Certification. Upon Purchaser's request, supplier will provide the Purchaser with the appropriate Certificate of Origin (CoO) within 24 hours. The CoO will state the country of origin for the products being purchased, sufficient to satisfy the requirements of the country of receipt and any applicable export licensing regulation, including those of the United States. If the CoO is a NAFTA country, customs form 434 is required to be used. A copy of this form can be downloaded at <https://www.cbp.gov/document/forms/form-434-north-american-free-trade-agreement-nafta-certificate-origin>. If the CoO is not a NAFTA country, then complete a letter, using company letterhead, certifying the country of origin of the parts being supplied.

Quality Documentation and Requirements for All Shipments:

Shipments received without the completion and proper execution of these Quality Requirements is considered non-conforming and Plexus can return the shipment at the supplier's expense.

- A. Certificate of Compliance - the Certificate of Compliance (COC) must be titled as such and shall include a statement declaring that the manufactured/materials item has been made to the appropriate customer specification requirements per J-STD-001. The COC shall contain the following minimum information:
- 1) Plexus Part Number
 - 2) Plexus PO Number and Quantity
 - 3) Original Component Manufacturer Name, Part Number, and Date Code(s)
 - 4) Certification to the requirements of this Quality Code and revision level
- B. Certificate of Analysis or Equivalent shall include a statement declaring that the manufactured/materials item has been tested to the appropriate specification requirements and the following minimum information:
- 1) Name of Manufacturer
 - 2) Manufacturer's Item Number
 - 3) Batch or Lot Number
 - 4) Manufacture Date
 - 5) Expiration Date (The remaining shelf-life must be greater than 80% of the stated shelf-life.)
 - 6) Product Properties and Analysis Results
- C. The following requirements shall be followed if applicable to the order and certified on the COC:
- 1) All parts must be baked 48 hours at 125°C regardless of component manufacturer's MSD level.
 - 2) Solder tinning material is defined by PO Item Number prefix: 'T1' for Sn63/Pb37 (eutectic), 'T2' for Sn96.5/Ag3.5 (Pb-free), 'T3' for Sn5.0/Pb93.5/Ag1.5 (high-melting point) and 'T4' for Sn96.5Ag3Cu0.5.
 - 3) Manufacturer part numbers shall not be mixed in final component packaging.
 - 4) Manufacturer date codes / lot codes cannot be mixed in final component packaging.
 - 5) Original component manufacturer labels shall be returned with the completed parts affixed to the moisture-barrier bag.

- 6) All MSD level 1, 2, and 3 parts shall be processed and marked as MSD level 3 per J-STD-033. Parts with MSD levels greater than 3 shall be processed and marked per their specified level.
- 7) Pin 1 orientation in carrier tape per component manufacturer tape-and-reel specification. Packaging medium specified by last character of PO Item Description: 'R' for T&R, and 'W' for tray. Absence of either of these codes implies that parts be returned in their original packaging.

D. All cartons, required documentation, labels, and packaging and packing slips must have the Plexus part number, EC level or revision (if applicable), date code(s), quantity, and P.O. number.

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.

Document Retention:

Supplier shall retain their quality records for 12 years.