

<u>REV</u>	<u>DATE</u>	<u>ORIGIN</u>	<u>REVISION HISTORY</u> <u>REASON FOR CHANGE(S)</u>
A	06Nov18	Daniel Crouse	New
B	04Oct19	Rachel Perry	Customer approved remaining shelf life of 50% instead of 75%.

### **Q-CODE Q42I QUALITY REQUIREMENTS**

The following are the quality requirements for product purchased under Q-code Q42I. These requirements are specific to our customer ViaSat Inc. This includes but is not limited to granting the right of access to the supplier's facilities and all applicable records to Plexus, their customer ViaSat Inc 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, all parts and products produced against this purchase order must also comply with ViaSat Quality Assurance Procurement Provisions (PR000512). This document can be located at the following: <https://www.viasat.com/supplier-quality-documents>.

#### **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 of 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.

**B. Materials Certificates and Process Certificates** – Material certifications must include a statement declaring that the items are manufactured from the material specified. This may be included with the Certificate of Compliance. 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 75% 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 50% 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.

- **Requirements for Cable and Wire Harness Assemblies:** Comply with IPC/WHMA-A-620. All mechanical crimp connections shall be verified as satisfactory by a crimp pull test, industry-accepted "go/no go" gauging of crimp tool, or crimp barrel measurements. Crimp pull tests shall be conducted on crimp samples only, and not performed on deliverable hardware.

**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 C.

**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**

erformed to assure no revision change or product/part deterioration during storage.

- B. **Material and Process Certifications** – Same requirements as B above.
- C. **Certificate of Compliance** – Same requirements as C and D above.

- **Requirements for Cable and Wire Harness Assemblies:** Comply with IPC/WHMA-A-620. All mechanical crimp connections shall be verified as satisfactory by a crimp pull test, industry-accepted “go/no go” gauging of crimp tool, or crimp barrel measurements. Crimp pull tests shall be conducted on crimp samples only, and not performed on deliverable hardware.

- 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”. Supplier shall provide Plexus with a detailed transition plan at least six (6) months Prior to the introduction of Any intended change to: (1) parts, materials, processes or critical equipment; or (2) manufacturing, processing or testing functions, including those of its subcontractors and/or sub-tier suppliers. Suppliers shall obtain Plexus’s written approval Prior to implementing such changes. Product or Process change notification requests (PCNs) shall be submitted to [pcns@plexus.com](mailto:pcns@plexus.com) and Plexus Buyer.