



SUPPLIER QUALITY REQUIREMENTS

DOC: QS-008.1

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6/9/2023

Supplier Quality Requirements

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1.0 Quality Requirements for all Suppliers

- 1.1 The supplier shall have a Quality Management System that is certified (preferable) by a third party to ISO 9001 or AS9100 or can demonstrate compliance with an ISO standard. It is preferred that Independent Distributors are certified to SAE AS9120.
1.2 The right of JEI and its customers to:
- Review the supplier’s documentation as required
- Access the supplier’s premises or location of work for the purpose of performing audits, surveys, inspections and verification of the supplier’s quality management system as well as compliance with contract requirements.
1.3 The supplier shall notify the buyer of changes in the purchased product prior to the implementation of any changes that affect the ability of the purchased product to meet specified purchased requirements.
1.4 The supplier shall honor the return of nonconforming product and provide replacement or credit as agreed upon.

2.0 Standard Mechanical Components and Electrical/Electronic Components

This paragraph applies to supplies of COTS Standard Mechanical small Components and Standard Electrical/Electronic Components, produced under requirements established by a technical regulatory body (e.g. Screw EN ISO 8765 – M14x1/5x100; Connector MIL-C-5015 etc.) and not according to some “proprietary” technical specification.

- 2.1 The supplier can be the manufacturer or a distributor of products made by others.
2.2 Manufacturer’s documentation
2.2.1 Certificate of Compliance

The supplier shall provide for each order a Certificate of Compliance (CoC) certifying that the product complies with the contractual requirements. The CoC shall include the following information as a minimum:

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- Reference to JEI PO number
- Manufacturer's Part Number
- JEI's Part Number
- Applicable data for product traceability (quantity, S/N, Batch or Lot number, manufacturing date, etc)
- Explicit declaration of compliance with contractual requirements
- Date and signature of the supplier

2.3 *Prevention of counterfeit parts*

- 2.3.1 In order to prevent the supply of counterfeit parts, the supplier shall ensure JEI the full traceability of the sources used for the procurement of materials and components, and the availability of the related documentation chain.
- 2.3.2 In the event the supplier is not authorized to sell a specified component, the supplier shall notify JEI and disclose such information at the time of quote.

2.4 *Reporting of faulty product*

- 2.4.1 The supplier shall notify JEI of any defects found on the products already delivered previously. The requirement applies to all possible defects detected by the manufacturer, the distributor (if different from the manufacturer), or other users of the same product.

2.5 *Limited life materials*

2.5.1 Residual life

Unless otherwise requested in the PO, limited life materials shall have, upon receipt in JEI, a residual life not less than 80% of the useful life indicated by the manufacturer.

- 2.5.2 In the case of limited life materials, the manufacturing date and the expiration date shall be indicated on the product or on the packaging of each individual item.

2.6 *Specific requirements for electrical and electronic components*

2.6.1 Date of shipment

Unless otherwise specified in the PO, less than 5 years shall have elapsed between the manufacturing date and the shipping date.

2.6.2 Obsolescence

For electrical /electronic components that have entered the obsolescence phase, it is required that this status be declared together with the production end date.

2.6.3 RoHS Certification

For orders of electrical / electronic components required to be in compliance with the RoHS 2015/863/EU regulation, the supplier is required to provide a certification indicating compliance with said regulation.

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2.6.4 Traceability

Suppliers shall demonstrate unbroken traceability to JEI on every shipment.

2.6.5 Packaging

Packaging Requirements, including Bar Coding of Boxes, Bags and Packing Slips: The supplier shall establish and maintain a documented system for the control and monitoring of its packaging and shipping practices. Included will be provisions for handling, preservation, storage, packaging and final shipment. The system must be designed to ensure the quality of deliverable material through prevention of damage, deterioration, and degradation.

2.6.6 Components shall be evaluated and packaged for Moisture Sensitive Device compliance. Any/All MSL rated components shall be verified as dry and sealed in a Moisture Barrier Bag with Desiccant and a Humidity Indicator Card.

2.6.7 Acceptance of the Order

Following the delivery of the products, orders will be subjected by JEI to an Incoming Inspection acceptance process. The delivery is considered complete and compliant only if, in addition to the material, the required packaging and documentation has also been delivered and accepted by JEI.

2.6.8 Authentic products

The products supplied shall be authentic and shall not be subject to alteration or modification respect to those made by the manufacturer.

3.0 Independent Distributors

3.1 At JEI Receiving Inspection, parts will be subjected to inspection based on IDEA-STD-1010 Inspection Guidelines. A Certificate of Compliance and a Certificate of Authenticity will be required for acceptance.

3.2 Seller Represents and warrants by acceptance of the purchase order that all shipments will consist of only new and authentic material.

4.0 Printed Circuit Boards**4.1** Certificate of Compliance

The supplier shall provide for each order a Certificate of Compliance (CoC) certifying that the product complies with the contractual requirements. The CoC shall include the following information as a minimum:

- Reference to JEI PO number
- Manufacturer's Part Number
- JEI's Part Number
- Applicable data for product traceability (quantity, S/N, Batch or Lot number, manufacturing date, etc)

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- Explicit declaration of compliance with contractual requirements
- Date and signature of the supplier

4.2 Test Report

The supplier shall document the outcome of the final checks (functional, dimensional, visual) conducted on the lot / batch and/or the individual products supplied. Such reports shall be provided with each shipment unless otherwise specified on the Purchase Order.

4.3 Solder Sample and Microsections

The supplier shall provide a solder sample with each lot date code. Microsections are not required unless otherwise specified on the Purchase Order.

4.4 Packaging

Unless otherwise specified on the PO, packaging shall be moisture barrier bag with desiccant and humidity indicator card, light vacuum preferred.

5.0 Conformal Coat

5.1 The supplier shall provide for each order a Certificate of Compliance (CoC) certifying that the product complies with the contractual requirements and/or drawing requirements. The CoC shall include the

following information as a minimum:

- Reference to JEI PO number
- JEI's Part Number and Revision
- Quantity
- Applicable data (coating thickness)
- Type of Coating Material
- Explicit declaration of compliance with contractual requirements
- Date and signature of the supplier

5.2 Appropriate ESD controls shall be in place when handling PCB assemblies.

5.3 Appropriate handling protocols shall be in place to prevent component or PCB damage.

5.4 JEI shall be notified prior to shipment of any damage; damaged component or PCB that occurred during the conformal coat process.