

REVISION HISTORY

<u>REV</u>	<u>DATE</u>	<u>ORIGIN</u>	<u>REASON FOR CHANGE(S)</u>
A	06/04/10	Paul Gettins	New
B	01/25/11	Paul Gettins	Lot #/ Date code traceability
C	12/2/11	Paul Gettins	Added Wavier approval
D	03/26/13	Adriana Cimpan/ Yee- Wen Khoo	1. Replace EN13980/IECEX OD005 with ISO/IEC 80079-34. 2. Clarifying the access of supplier facility.
E	29AUG14	Adriana Cimpan	Add considerations about equivalence of CoC with DoC for electronic components
F	5/04/18	Daniel Crouse	Added PCN language

Q-CODE Q32 QUALITY REQUIREMENTS
FOR ISO/IEC 80079-34 SAFETY CRITICAL COMPONENTS

With acceptance of/or receipt of product against this order the supplier agrees to allow Plexus, their customer and regulatory authorities the right of access to their facility and all applicable records including verifying any aspect of their operation that affects the type of protection. The following are the quality requirements for product purchased under Q-code Q32. Unless a written waiver is received from Plexus, the supplier agrees to abide by the quality requirements listed below. Plexus will only give a written wavier after notifying and obtaining approval from the customer authorized person and Certified Body.

All Shipments-The documentation and quality requirements for each shipment of parts are as follows:

A. ATEX/ IECEx Declaration of Conformity – The declaration must meet all the following requirements:

- Annex A of ISO/IEC 80079-34 requirements
- Compliant to ISO17050-1 and ISO17050-2
- State the items conform to their specification
- List the factors to demonstrate product conformity

Note: A Certificate of Conformance, declaring compliance to all specifications, including the component’s revision level and signed by supplier’s quality function representative that meets the bulleted requirements above can be substituted for the Declaration of Conformity.

B. The Component or Packaging must be clearly identified to following–

Resistors:	value, power, type	
Capacitors:	value, tolerance, type	
Piezo-electric devices:	manufacturer, type, Capacitance	
Inductive components:	type, inductance, D.C. resistance, number f turns, wire gauge and material, materials specification of core and bobbin where appropriate.	
Transformers:	type, manufacturer. isolation, voltage	
Semi-conductors :	Diodes Zener Diodes Transistors Integrated Circuits Thyristors	} Type number and where appropriate, the manufacturer
Cells and batteries:	manufacturer, type number, or IEC designation.	
Fuses:	manufacturer, type, value.	
Insulating materials:	Specification, dimensions and where appropriate type number	
Connectors (e.g. plugs/ Sockets and terminals):	type number and where appropriate, the manufacturer	

C. All cartons, packing slips, certificates, and ATEX/ IECEx Declaration of Conformity must match the PO exactly and include the following information:

- Part number
- EC level or Revision level as specified on the PO for the Plexus part number ordered
- Name of Supplier (if different than the actual OEM)
- Name of Manufacturer
- Manufacturers' part number supplied
- The Lot # and/or Date Code (both preferred, but date code at a minimum) for each shipment - COC and packing slip must contain each lot and/or date code.¹
- Bar coding this information in 39 or 128 format is optional.

¹ The minimum-required date code format shall identify the 2-digit workweek, 2-digit year (WWYY). If the component marking contains a lot and/or date code, then those markings must be traceable to the COC. Shipments of multiple lot and/or date codes must be identified separately on the COC with the actual quantity shipped for each. Each lot and/or date code shall be independently packaged (i.e., no mixed lot/date codes within a package: reels, trays, tubes, bags, etc.).

Material received without the completion and proper execution of the Quality Requirement allows Plexus the right to return the material as defective. For material that has been previously provided to Plexus, the requirements under subsequent shipments will be followed.

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.