

<u>REV</u>	<u>DATE</u>	<u>ORIGIN</u>	<u>REVISION HISTORY</u> <u>REASON FOR CHANGE(S)</u>
A	08/29/09	SP Ooi, Khai-Ping Lim Scott Ubl	New
B	09/15/2011	SP Ooi	Include new SPOC element and solderability report req
C	04/3/2012	SP Ooi	Update to the Honeywell database used and added SPOC 544
D	5/04/18	Daniel Crouse	Added PCN language
E	12Jul18	Theng-Huat Low	Update per SPOC changes

**Q-CODE Q25D QUALITY REQUIREMENTS**

The following are the quality requirements for product purchased under Q-code Q25D. These requirements are specific to our customer Honeywell Aerospace. Unless a written waiver is received from Plexus, the supplier agrees to abide by the quality requirements listed below.

**All Shipments** - Before a product can be released for production the supplier will be required to meet the documentation and quality requirements as follows:

- A. Quality Code 25B Requirements – All shipments need to comply with the requirements of Q25B. Note that some of the specific requirements may change between the first shipment and subsequent shipments.
- B. Solderability Report – A Solderability test must be performed and the report included for all shipments of Printed Wiring Boards.
- C. In addition to all the requirements of Q25B the controls listed below which establish specific requirements of the product and process for Honeywell must be followed:
  - SPOC 124 – FIRST ARTICLE INSPECTION (FAI) REQUIREMENT
  - SPOC 128 – CHARACTERISTIC ACCOUNTABILITY
  - SPOC 140 – Certification of Conformance / Shipping Declaration Document / Packing Slip Requirements
  - SPOC 154 – KEY CHARACTERISTICS (KC) MANAGEMENT
  - SPOC 165 – APPROVED SOURCES FOR CONTROLLED PROCESSES (Not applicable for receiving inspection)
  - SPOC 418 – FOREIGN OBJECT DAMAGE (FOD) CONTROL
  - SPOC 544 – CCA REQUIREMENTS

*This requirement applies to CCAs and Printed Circuit Boards for Honeywell Olathe, Kansas. Note: Plexus orders for Honeywell Olathe, Kansas are typically represented with a Plexus part number suffix of - 119 or - 799.*

KEY CHARACTERISTIC FOR PRINTED CIRCUIT BOARDS (Bare Boards under cage code 97896, 22373, 27914 & 99866) - Independent of other mechanisms for Key characteristics, Bare Board Plated Through-Hole Thickness per IPC 6012 is identified as a key characteristic per AS9103. Data Collection to show process control is a requirement as outlined in SPOC 154. Supplier shall also report all measurement and test data by entering it into the Honeywell NetInspect database software/database by logging on at [www.net-inspect.com](http://www.net-inspect.com).

The supplier shall refer to the latest SPOC document located on the Aerospace Supplier Portal at <https://www.supplier.honeywell.com>.

- D. In addition to all other requirements, all required documentation, labels, packaging and packing slips must have part number, EC level or revision, quantity and P.O. number listed on them.

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](mailto:pcns@plexus.com).