



1000 FEDERAL ROAD BROOKFIELD, CT 06804 | (203) 740-8425 | www.impea.com

JOB DESCRIPTION

TITLE	QUALITY CONTROL INSPECTOR	DEPARTMENT	QUALITY CONTROL
FLSA CLASSIFICATION	Non-Exempt/Hourly	PAY RANGE GRADE	4-7
REPORTS TO	Quality Assurance Manager	SUPERVISORY DUTIES	None
APPROVAL	Quality Assurance Manager	DATE PREPARED	2024

POSITION PURPOSE:

- Perform first piece, in-process, and final inspection of product to ensure it meets customer requirements.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

- Performs solderability inspection on printed circuit board samples as required.
- Documents non-conformances found during inspection process and routes product to re-work or repair as necessary.
- Follows traveler, customer supplied documentation, or instructions from supervisor for direction.
- Participates in attaining Quality Assurance departmental goals and objectives by performing job requirements at the highest level of accuracy.
- Works in a productive and efficient manner so the production schedules of the Company are met.
- Works with other departments to ensure customer product delivery dates are met.
- Performs job duties in compliance with the Company's Quality System.
- Participates in internal and external quality system audits as needed.
- Makes process improvement recommendations as appropriate.
- Participates in and coordinates committee activities as needed.
- Communicates equipment maintenance needs to the QC Supervisor.
- Maintains an organized and neat work area.

EDUCATION AND EXPERIENCE:

- Minimum: 3 years as a PCB Assembler in Pre and Post Wave Assembly or related work in an electronic contract manufacturing, electronic high tech or related industry.
- Preferred: 5 years as a PCB Assembler in Pre and Post Wave Assembly plus 2 years as a Quality Assurance Inspector or related work in an electronic contract manufacturing, electronic high tech or related industry.
- Diploma or GED from an accredited high school or technical school required. College degree in engineering or other related area preferred.

JOB KNOWLEDGE, SKILLS AND ABILITIES:

- Excellent ability to identify non-conformances of product compared to customer's and IPC-A-610 requirements.
- Knowledge of hand, SMT, and through-hole assembly methods for electronic PCB.
- Strong organizational skills along with excellent oral and written communication ability.
- Knowledge of IPC-A-610 Solderability Standards. IPC-A-610 certification a plus.
- Able to read and interpret customer requirements from various customer-supplied documents.
- Able to read complicated electronic schematics and assembly drawings.
- Excellent ability to identify electronic components.
- Able to speak, read, write and understand English as it relates to performing job requirements.



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TRAINING RECOMMENDATIONS:

- Component Identification
- ESD
- Hand Soldering
- Hazard Communication Training
- Introduction to Through-Hole Assembly
- Introduction to Wire Crimping
- IPC-J-STD-001
- IPC-A-610 Standards
- ISO 9001:2008 Overview
- Lean Manufacturing Introduction
- Lockout/Tagout Procedures
- PPE
- Solder Joint Inspection for Through-Hole Components
- Wave Solder
- Other training as required

PHYSICAL REQUIREMENTS:

- Regularly required to lift, carry or otherwise transport materials on racks or other containers weighing up to 25 pounds.
- Often required to pull, push, drag or otherwise transport materials in bins or other containers weighing up to 50 pounds.
- Regularly required to sit and hold product in hands or other holding fixtures as appropriate or available.
- Often required to use a variety of visual or inspection aids (i.e., eye loop, magnifying lights, etc.) as well as measuring devices (i.e., micrometer).
- May be required to operate inspection equipment such as x-ray inspection machine, optical inspection machine, pull test machines, etc.
- Regularly required to verbally communicate non-conformances found during inspection to Assemblers or Group Leaders.
- Regularly required to sit, stand, reach, bend, and walk about the building.
- Moderate physical effort required.
- Continuous mental and visual attention required.

PERSONAL PROTECTIVE EQUIPMENT:

- Eye protection as required.

WORK ENVIRONMENT:

- Works in a climate-controlled assembly facility with little noise.

OTHER:

- Will be required to perform other duties as requested, directed or assigned.