



## JOB DESCRIPTION

### TITLE: MANUFACTURING ENGINEER

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Department: Engineering  
Reports To: Manufacturing/Engineering Manager  
Approved By: Engineering Manager  
Non-Exempt Position

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#### **Job Purpose:**

Develops, implements and maintains methods, operation sequences and processes in the manufacture of PCBA's, sub-assemblies and final assemblies while providing manufacturing engineering support services directly to manufacturing. Designs, modifies, validates, and manages process activities for a specific product or group of products from prototype builds to production release.

#### **ESSENTIAL DUTIES AND RESPONSIBILITIES:**

- The employee shall participate in NPIs and DFMs on new products prior to release to ensure quality objectives are achieved and efficient assembly methods are in place.
- The employee shall review existing designs and assembly processes for method improvements that lead to improved quality, productivity and cost reductions.
- Estimate manufacturing costs, determine time standards, and make recommendations for tooling and process requirements of new or existing product lines.
- Ensure all assembly instructions, tooling, fixtures, equipment and consumables are in place at the time of scheduled production startup.
- Training and direct support of production line personnel in manufacturing processes and assembly methods.
- Design and modify tools and fixture to improve manufacturing methods and improve quality
- Work with Program Managers and customers to implement all ECO/ECN and deviations
- Must have good communication skills, verbal and written, to properly communicate with customers.
- As a leader for Irvine Electronics, you shall encourage and empower employees to continually improve productivity and process efficiency for the company.

#### **EDUCATION AND/OR EXPERIENCE:**

- BS degree in Manufacturing, Mechanical or Electrical Engineering.
- 0–5 years' experience in a contract manufacturing environment.
- Knowledge of IPC-A-610, J-STD-001 & IPC-WHMA-A-620 is desired.
- Experience in SMT, soldering, cables assembly, conformal coating and mechanical assembly processes is desired.

#### **MUST BE A U.S. PERSON.**

#### **ADA REQUIREMENTS:**

The key physical requirements for this position include the ability to use standard office equipment including PC's, fax, and copy machine, movement within a standard office and distribution warehouse area, walking, sitting, standing, climbing, carrying, pushing/pulling and lifting 1–30 pounds occasionally. Telephone use is a must.

#### **EYE EXAM REQUIREMENT:**

An annual eye exam is required due to the nature of our business and customer requirements.



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I \_\_\_\_\_ (employee) have read and agree to the duties, responsibilities and requirements of this job description and have the ability to perform them successfully.

Employee Signature:

Date:

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