**Job Description—Senior Electronic Engineering Technician**

**Reports to:** Engineering Design Manager

**Location:** San Diego, CA

**Date:** Jan 2023

**Salary**: $21.63 - $36.05

**Position Summary:**

The position of Electronic Engineering Technician requires the ability to assist with electrical assembly, design, test, and documentation. Testing and troubleshooting PCBs at the board component level. Writing Engineering test reports to record and analyze test data. Assist in the transfer of electrical prototypes to production.

**Job Requirements:**

* 3+ years hands-on electrical manufacturing or engineering experience with the following:
	+ Board component level diagnostics
	+ Troubleshooting and repairs on PCBs which include soldering and de-soldering of through-hole and SMT components
* Finding alternative board component parts based upon specification, pin layout and board footprint.
* Analyze and record test results and prepare written testing documentation.
* Design, construct, and document electrical harness assemblies.
* Ability to work in clean room environment and cleanroom suit when needed for troubleshooting and testing.
* Ability to lift approximately 35 pounds.
* U.S. Citizen or U.S. Permanent Resident status required.

**Responsibilities:**

* Troubleshoot prototype and production systems:
	+ Testing and diagnosis of PCBs at the component level
	+ Soldering of fine pitch surface-mount electronic components
	+ Interpreting electrical schematics
	+ Finding alternative drop-in replacement board components based on part availability
* Documentation:
	+ Write, update and conduct assembly and functional test procedures
	+ Redlining harness and electrical assembly BOMs and drawing.
* Build cable harnesses using wire strippers, crimpers, and other hand tools