

## **Company Background:**

Andrea Systems LLC is an AS9100 supplier of communications systems and equipment for aviation and military applications. Located in Farmingdale, New York, Andrea Systems was originally part of Andrea Radio Corporation, then part of Andrea Electronics Corporation. For over seventy years Andrea has provided high quality, state-of-the-art communications technologies for both military and commercial applications. We are a leader in the manufacturing of audio amplifiers and intercom systems for aircraft including:

- Bell Helicopter AH-1, 212, 412
- Boeing B-52, FA-18, KC-135
- Lockheed Martin C-5A, C-130, F-16, F-117, U2
- Northrop Grumman F-14
- Sikorsky Aircraft UH-60
- And many other military and commercial applications with products used worldwide.

In addition to our traditional product line Andrea Systems, has recently advanced into the design and manufacturing of innovative medical products.

For further information about the Company and our products, please see our website <http://www.andreasystems.com>

## **ELECTRICAL ENGINEER**

### **Position Summary:**

Andrea Systems offers an opportunity for a mid-level Electrical Engineer who will develop product designs for military audio electronics and also for new medical devices. The successful candidate will be a creative problem solver who works well both independently and on a team. This position will report to the Engineering Manager.

### **Responsibilities:**

- Digital and analogue circuit design in accordance with military specifications.
- Interface with PCB and mechanical designers for packaging of finished circuitry.
- Organize and participate in Design Reviews.
- Research and test new technologies and components.
- Report clearly and accurately on work status and test results both in writing and verbally.
- Manage prototyping activity from component selection through actual build.
- Analyze and troubleshoot existing products.
- Support part and component searches and research.
- Support build and set up of test fixtures for production and development work.
- Support troubleshoot of production issues on existing subassemblies and final assemblies.

### **Qualifications:**

- B.S. in Electrical Engineering.
- At least ten years experience as a design engineer working with both digital and analogue designs.
- Ability to flowchart, write and debug firmware in C.
- Experience with DSP components and technology is required.
- Ability to perform circuit analysis to predict performance.
- Experience with EMI requirements and testing such as RTCA DO-160 and MIL-STD-461.
- Computer skills including schematic capture in Orcad. Labview is a plus.
- Ability to communicate project results and status using Word, Excel, and project management software.
- Good organizational and time management skills.
- Familiarity with AS 9100 design control is a plus.