

**POSITION:** Test Engineer III

**JOB STATUS:** Full-time, Monday – Friday (8:30-5:00)

**OPENING:** Immediate

**SALARY:** Determined by qualifications and experience

**BACKGROUND:** Engineering Design Team, Inc. (EDT) specializes in high-speed interface products that link digital cameras, high-resolution scanners, simulation systems, and telemetry receivers to a variety of computers. Since our founding in 1987, EDT has provided interface solutions to scientists and engineers worldwide in the scientific, industrial, and military communities.

**JOB OVERVIEW:** In addition to the skills of Test Engineer I and II, the Test Engineer III is able to communicate across multiple disciplines, work in a team or independently, understand the board manufacturing process and modify circuit boards in a production environment, make minor changes to schematics and PADs layout as required, and have a strong working knowledge of engineering design and debug tools. The ability to solder SMD components is required. Major responsibilities include: yield analysis of manufacturing defects, troubleshooting and repair of RMA and production boards, development of production tests, assist manufacturing, and controlled bring up of new boards.

- Ability to read schematics and datasheets
- Ability to read, write, and modify shell scripts and python scripts
- Ability to provide phone and e-mail support for all EDT products
- Ability to develop test plans for new products
- Interfaces between manufacturing and engineering
- Helps resolve issues during production testing
- Participates in schematic reviews
- Assists customers with identifying correct EDT products to meet their needs
- Knowledge of C and C++
- Ability to read layout data (PADs, Gerber data) for the purposes of debugging/troubleshooting
- Ability to work with customers across all product lines
- Ability to solder
- Ability to modify boards with mod wires, via drilling, dead bug mounting
- Ability to make minor changes to schematics and PADs
- Understanding of the board manufacturing process
- Ability to read and modify VHDL code
- Ability to use Xilinx and Altera tools
- Ability to perform yield analysis
- Troubleshoots and repairs RMA boards
- Ability to generate file sets for PCB and contract manufacturing
- Ability to create simple applications to assist in testing and troubleshooting

**SUPERVISORY RESPONSIBILITIES:** None.

## **JOB QUALIFICATIONS:**

Education: Associates or higher degree in applicable field or 10 years applicable experience

Experience:

- Excellent written and verbal communication skills
- Excellent interpersonal skills
- Excellent problem solving skills
- Computer/software skills
- Excel/MS Word/Outlook

Certificates, Licenses, Registrations: None

Specialized knowledge or abilities:

- English required
- Mathematical skills (ability to apply concepts such as fractions, ratios, percentages and proportions to practical solutions)
- Reasoning/problem solving (ability to define problems, collect data, establish facts, and draw valid conclusions)
- Excellent self-direction and multi-tasking skills

**PHYSICAL DEMANDS:** Sedentary with computer usage the majority of the day, some walking, lifting, bending, and twisting. May occasionally lift up to 40 pounds.

**WORK ENVIRONMENT:** Office environment, phone/computer work, some manufacturing noise.

**IF INTERESTED, PLEASE SEND RESUME AND LETTER OF INTEREST TO:**

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