

Kathy L. Esgro
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PROFILE

I have over 40 years of experience in the electronic assembly and testing field. I have been government certified in electronic assembly. This include wiring, soldering, assembly and repair work of circuit boards and wiring chassis. I have worked on surface mount assembly. I have assembled and repaired components for government avionics. (F16, F14, A10 and Naval equipment). I have worked in production management, sales and customer support.

EXPERIENCE

Production Coordinator/Sales/Customer Support/Assembler, Trigg Industries, LLC, Newport News, VA 2009 to 2020

As Production Coordinator, I oversaw all phases from purchase orders to shipping. I provided troubleshooting support to customers. As a sales representative, my duties include writing and proofing all sales quotes from all sales agents. I assemble and test vehicle detection systems. This work is accomplished by working from schematics and various written instructions. I have experience in using various hand tools, machine shop tools and drill press. I perform testing on systems using digital volt meters, power supplies, oscilloscopes. I assembled and test systems from start to finish as well as engineering prototypes.

Electronic Assembler, IOT Systems, LLC, Williamsport, MD 2002 to 2009

I worked on several different components for the satellite industry. I worked from schematics. Work involved wiring several hundred wire connections into chassis and racks. Several different wire terminations.

Electronic Assembler, Teller Consulting, Knoxville, MD — 1987 to 2002

While employed with Teller Consulting my consulting company, customers included:

- American Microwave Corporation, Frederick Maryland
- Interferometrics Inc., Dulles Virginia
- COMSAT Laboratories, Clarksburg Maryland.

My work involved a wide variety of types of assembly/integration from surface mount, PC board, subassembly wiring, rack wiring, DC power terminals to microwave signal cables.

Worked from schematics, wiring diagrams, wiring lists, including production diagram development. All development performed in my own lab with my own equipment.

Electronic Assembler, American Microwave Corporation, Frederick, MD—1988-1993

I was hired to work on government contracts and was re-certified to military specification for soldering and wiring. (WS 6536) I was taught surface mount assembly and soldering using microscope. Job skills required component prepping, mounting chip capacitors, resistors and PIN diodes to chassis and substrates. Use of Indium solder, silver epoxy and wire binding. Cut out of soft board MIC circuits. All work done under microscope.

Assembly Technician Specialist, Fairchild Communication Company, Germantown, MD — 1983-1988

I started Fairchild after moving from Illinois. I was re-certified in military specification standards. I worked in assembly of circuit boards, wiring harnesses and field return/repair. Duties: All types of repairs in Field Return Area. This required working closely with test department, quality control, customers, expeditors and government inspectors. Work from work orders, prints, wire lists and schematics. Modification of field return units. Rewiring and component replacement on printed circuit boards and chassis. Set up and use of various machines. (Drill press, automatic rivet machine, hand press, RAGEN machine, component forming and cutting machines, test equipment).

Electronic Assembly/Inspector-Test, Union Special Corp., Rolling Meadows, IL—1981-1982

My work here involved seeing the job through from stocking of parts, assembling of circuit boards, inspection and testing. I left this job when I moved to Maryland. I also stayed home until 1983 after the birth of our first son.

Duties: Electronic stock inventory. Electronic component testing. Use of meters, oscilloscope and Huntron-Tracker. Build engineering prototypes. Component prepping, insertion using camera guidance system. Operate solder wave machine. Inspection and touch up of printed circuit boards. Modification of field return units. Testing of printed circuit boards. Work from work order, schematics, and wire lists.

Electronic Assembler/Test Technician, Northrup Defense System Division, Rolling Meadows, IL—1978-1981

Certified in Military Specification Standards while working here. Electronic assembly of circuit boards and wiring harnesses. Work involved a large amount of wiring for Naval equipment. I also worked in the test department. I used test equipment to check wiring harnesses. I used meters, scopes and computer equipment. Used a DITMCO machine for testing. Worked from work orders, prints, wire lists and schematics.

Electronic Assembler, Nitton Inc. , Des Plaines , IL—1978-1981

Electronic assembly and test of smoke detectors. Worked from work orders, prints, wire lists and schematics.

EDUCATION

Hagerstown Community College, Hagerstown, MD 2009 - CDL license
William Rainey Harper College, Palatine, IL 1979 - Basic Electronics.

SKILLS

MIL Spec. trained. Wiring, soldering assembler. Surface mount assembler with microscope experience. Repair experience in chassis, wiring and printed circuit board. Test experience using several different types of equipment. Machine shop tool experience. Work from schematics, wire lists, work orders, prints. Work closely with engineers, inspectors, government personnel and customers. Have worked in coordinating production, sales and customer support.