

Principal Electrical Engineer - Digital

This position is for an individual with educational and professional experience in the digital hardware design, fabrication, assembly, test, and integration of circuit card assemblies and subsystems with an emphasis on design of boards containing FPGA circuits and digital and analog interfaces. Knowledge of analog design techniques, including operational amplifiers, data converters, and power regulator designs at the circuit card level is also desirable. The designer will interface with printed wire boards (PWB) designers to oversee layout, routing, and manufacturing of designs. The designer will be responsible for test and integration of these designs into the larger systems. Candidates for the position must have strong written and verbal communication skills and have the ability to lead teams to meet program budget and schedule milestones.

Required Skills:

- Minimum of 10+ years' experience in digital circuit design
- 10+ years' experience in design, implementation, test, and debug of digital circuit cards with FPGA's, ADC's, and DAC's that interface with RF components
- 10+ years' experience in engineering leadership as a hardware team lead or integrated product team lead of digital components
- Proficient with hands on troubleshooting and / or debugging of hardware with standard test equipment
- Experience with high speed interfaces for memories, FPGA's, and processors
- Familiarity with circuit card assembly, final assembly, and test manufacturing processes
- Ability to lead a team in a dynamic environment while effectively managing scope, communicating risk, managing schedule / budget, and providing status
- Experience in requirement allocation and generation
- Eligibility to obtain a secret clearance
- Ability to support occasional travel
- U.S. citizenship status is required at this position will need a U.S. security clearance within one year of start date

Desired Skills:

- Prior IFF product experience
- Experience implementing VHDL
- Earned value management exposure
- Experience interfacing with customers (internal and external)
- Experience as a manager conducting performance reviews for direct reports

Required Education (including Major):

Bachelor's degree in Electrical Engineering or equivalent

U.S. Citizenship and ability to obtain any required export authorization is required.