

Electrical Engineer Requisition ID:

The employee will be required to:

- Lead electrical engineering design of mission critical systems from concept to production readiness for complex military systems. Systems include substantive power components and concepts.
- Execute detailed hardware design to successfully transition a design from concept to production.
- Assist in the preparation of bids and proposals for equipment tailored to meet specific customer requirements.
- Interface with a multi-disciplined engineering team to formulate and develop innovative product designs.
- Perform design and analyses to establish proof of conceptual design.

Specific duties include the following:

- Collaborate with multi-disciplined technical staff to develop mission critical data processing, power management and other complex systems.
- Design analog control, Built in Test, thermal sensing circuits
- Integrate power supplies, power electronics, cables
- Cable assembly and electrical connector design
- EMI, transient suppression and filtering designs
- Responsible for executing electrical design
- Lead development of cost effective solutions.
- Perform electrical design trades to balance cost and technical performance in support of new business pursuits and customer funded programs.
- Analyze systems requirements design a solution with minimal guidance.
- Recommend engineering solutions & strategies to senior management as well as defend technical analysis to subject matter experts.
- Support EMI and reliability analyses
- Must be able to work independently or lead a small team of designers

Qualifications:

- Bachelor of Science degree in electrical engineering (BSEE) and 5+ years of successful electrical engineering experience in high reliability military systems.
- Experience in military programs, requirements and design processes.
- Ability to collaborate with an interdisciplinary technical team consisting of systems, electrical, mechanical and manufacturing engineers
- Leadership, self-motivation, time management, interpersonal, and communication skills are required.
- Circuit board layout experience
- Experience working with Reliability, EMI, Manufacturing, Mechanical, and Product test
- Experience supporting the complete testing and qualification of the deliverable system
- Must be proficient with the MS Office Suite (PowerPoint, WORD, EXCEL), VISIO and MS Project
- Advanced circuit analysis/simulation skills
- Time and frequency domain analysis
- Must have intermediate PSPICE skills

Preferred Additional Skills:

- Master of Science degree in electrical engineering preferred (MSEE).
- Knowledge of power electronics and systems.
- Knowledge of electromagnetic theory and EMI Control
- Knowledge of electronic packaging
- CAD software such as SolidWorks
- Intermediate programming skills