

Amphenol

Job Title: Mechatronics Engineer
Reporting to: Engineering Manager

The top priorities of this position will be to learn and understand the design, manufacture, and test requirements for connectors. This includes understanding industry, military and customer specifications. Understand the customer's electrical requirements and determine how to design both the mechanical and electrical aspects of the connector. Additional priorities include designing connector piece parts and assemblies, understanding test methods and vendor capabilities. The ideal candidate for this position will be able to work closely and effectively with other departments, and possess excellent verbal and written English skills. Due to the nature of this fast-paced position, an efficient person that is dedicated to accuracy would be best suited. Productivity, decision making, completion of objectives, on time release of project information, and accuracy will measure performance.

Opportunities for advancement and growth could be to Manufacturing Engineering Supervisor, Design Engineering Supervisor, or Marketing Application Engineer.

About the Job:

- Analyzing connector requirements, and designing connectors to meet the requirements
- Customer specification reviews
- Electrical design and analysis
- Conduct or assist in technical trials
- Active participation in support of design reviews, testing and the introduction of new products and product derivatives.
- Assist with trouble shooting issues and implementing effective solutions
- Define and implement cost reductions
- Purchasing assistance and vendor interface
- Support for Marketing for new product inquiries, and customers to ensure an overall successful program launch
- Design product with projected costs in mind
- Source potential vendors for supplying component parts
- Other related duties as required
- Works closely with Engineering team and production

Requirements:

- Design experience
- Electrical Engineering analysis and design skills
- Electrical Simulation & Analysis software knowledge
- Mechanical Design experience & aptitude
- Manufacturing experience
- Excellent communication skills
- B.A.S.c - Mechatronics
- Part design
- Generally neat and tidy appearance
- Ability to work under pressure in a fast-paced environment
- Good verbal and written communication skills
- 2 – 5 years related experience

Desired:

- Professional Engineer Designation
- Project management
- Connector experience
- FEA
- Failure mode analysis
- Small plastic parts moulding exposure
- Casting and stamping exposure
- Military specification familiarity
- Working knowledge of Solidworks
- Experienced with managing multiple projects and meeting deadlines
- Effective trouble shooting and problem solving skills
- Geometric dimensioning