

Preco

Excellence in Electronics

Job Posting

Job Title: Product Development Engineer

Date: September 2017

Pay Class: Salaried/Exempt

Reporting to: Engineering Manager

Department: Engineering

Overview:

This R&D engineering position will provide technical expertise in the design and analysis of high frequency analog circuitry used in Preco's line of collision mitigation radar offerings. The individual will be responsible for ensuring that designs result in a highly manufacturable, cost effective products meeting expectations in performance, size and reliability. The individual will be part of a small engineering team and will be involved in all aspects of the product life cycle- including qualifying new products, designing and building test equipment, writing test procedures and user manuals, and supporting production test and quality. Individual must be eligible to work in the United States without employer sponsorship.

Primary Responsibility:

Design, analysis, lab work relating to hardware development for microwave frequency radar sensors. Working directly with circuit design, schematic capture, simulation, and layout. Hands-on lab work involving new product bring-up, troubleshooting of on-going manufacturing issues, analysis of field failures.

- Expertise in high frequency (1GHz+) analog circuitry
- Embedded microcontroller design and PCB layout
- Familiarity with sub-ns pulsed circuit design and high speed sampling
- Experience with RF measurement techniques using network analyzers, spectrum analyzers other RF instrumentation.
- Experience with RF modeling software (HFSS, CST, etc.) is a plus
- Familiarity with compliance and testing issues relating to worldwide compliance
- DSP techniques
- Familiarity with various types of antenna and their design techniques
- Provides engineering technical support for current products to our internal customers: supply chain, operations, manufacturing, and sales groups as needed
- Serves as the technical expert and leader in engagements with customers, engineering and across functions within the company regarding any product issues, i.e "owns the product"
- Redesigns existing products to meet market needs and component life cycles
- Ability to work and communicate well in a small team environment is a must. Must also be able to work independently

09/06/17 Electrical Engineer HR Approval: _____

Other characteristics of the position are:

- Team Player
- Good communication skills
- Seeks and participates in development opportunities above and beyond required training
- Suggests areas for improvement in internal processes along with possible solutions
- Works cross functionally

Education/Experience:

BSEE or MSEE with a minimum of 5+ years of experience in circuit design and system development, high frequency (1GHz +) analog design experience required, some background in RF and microstrip patch array antenna design; analog and digital circuit design, digital signal processing, systems design and applicable knowledge and experience with manufacturing and testing techniques for related products preferred.

Please visit www.precocom for more company and product information