Omega Engineering/Newport Electronics is Growing!

We're hiring….

Senior Hardware Design Engineer

Our company, Omega Engineering/Newport Electronics, has been a leader in high-precision test, measurement, process control, and automation instrumentation for more than four decades. We have a world class reputation for outstanding technology, quality, and customer service within our industry.   We are stable and growing, and have our engineering, sales, and manufacturing headquarters in beautiful, sunny Orange County, California.   Omega also has manufacturing facilities in the Midwest and Northeast, and additional sales offices in major international markets. We are also a member of the Spectris Group, the leading UK manufacturer of productivity-enhancing instrumentation and controls.

What you'll be doing:

- Work with product sales/marketing group to ensure that product marketing requirements are fully reflected in engineering design documentation including a review of anticipated system interfaces and analysis that give clear indication of risk areas and areas where incremental capabilities are available.
- Develop a comprehensive Engineering Hardware Product Requirement document that fully defines the hardware requirements and capabilities.
- Design responsibility of electronic circuitry that support product requirements detailed in Engineering and Marketing product requirement documents
- Work with manufacturing and test engineering to ensure developed products are manufacturable, with a focus on optimized assembly and test processes
- Work with PCB layout and Mechanical engineering to ensure products meet the Engineering and Marketing product requirement documents and meet appropriate certification test requirements.
- Work with firmware engineers to ensure that products support the architectural requirements and that design verification firmware is developed to verify hardware compliance to the design requirements.
- Work with domestic and international certification agencies (UL, FCC, CE etc) to ensure developed products are in compliance with the appropriate requirements.
- Review technology trends and solutions to ensure designs reflect state of the art capabilities
- Confer with engineers, customers or others to discuss existing or potential engineering projects or products.
- Generates creative solutions, translates concepts and information into images, uses feedback to modify designs, applies design principles, demonstrates attention to detail.

What you'll need:

- BSEE/BSCS or equivalent combination of education and experience.
- 10+ years - Must be well versed in industrial electronics/process control, with extended experience in customer support, sales, engineering and manufacturing.
- Experience designing complex analog and digital circuitry utilizing state of the art technology.
- Successful implementation of designs and transference to and ongoing support within the production process.
- Experienced with the circuit design implementations of various electronic components such as bipolar and MOSFET transistors, digital to analog converters, analog to digital converters, 32-bit microcontrollers, DSP's, SoC's, analog and digital filters, transformers, logic gates, flash memory, SRAM, OP-AMPS, programmable logic devices, instrumentation amplifiers, oscillators , real time clocks, etc.
- Experienced with electronic circuit interfacing design techniques for advanced microcontrollers, memory devices, analog and digital sensor inputs, network interfaces such as USB, Ethernet, RS-232, RS-485, and industrial networks such as Hart, Profibus, DeviceNet, Modbus etc.

Computer Skills:

Experienced with advanced CAD systems applied to electronic circuit design (Orcad, SolidWorks) and simulations (SPICE) to ensure the highest reliability designs meeting all customer needs in diversified environments of use. Proficient personal computer skills, including electronic mail, record keeping, routine database activity, word processing, spreadsheet, graphics, Internet software, etc.

What you'll get:
- Competitive salary with opportunity for career growth
- Benefits—Medical, Dental, Vision that start immediately!
- 401K Company Match
- Generous vacation
- 100% Tuition reimbursement for approved studies
- Great people, company culture, and work environment located in beautiful, sunny Southern California.

So, if you're a TOP Hardware Design Engineer with 10+ years of experience, please apply!

Gregory Schaal
Technical Recruiter
Omega Engineering / Newport Electronics
(714)540-4914 Extension 303