

Please email resumes in Microsoft® Word format to Human Resources at: HR@interfacedisplays.com.

Position	Department
Senior Electrical Engineer	Engineering
Position Schedule	Position Duration
8:00am – 5:00pm, Mon – Fri	Full-Time / Regular
Description	
<p>Interface Displays & Controls is seeking a Sr. Electrical Engineer for our facility in Oceanside, CA. The company specializes in the design, engineering, and manufacturing of cockpit controls, displays, and data transfer systems for military and commercial avionic applications.</p> <p>This position requires a creative, energetic, and experienced engineer to support product in development, integration, and testing using the latest LCD and LED display technologies.</p>	
Essential Duties and Responsibilities	
<ul style="list-style-type: none"> ▪ Interface with other engineers, as required, to direct and perform tasks for completion of product designs. ▪ Prepare technical plans and task definition. ▪ Assist in proposal preparation. ▪ Assess impact of design changes on program schedules. ▪ Use necessary tools to ensure product designs meet contractual performance requirements. ▪ Design test protocols to confirm that product performance meets customer specifications. ▪ When needed, assist manufacturing and production by troubleshooting designs and testing hardware. ▪ Use mathematical skills for reliability analysis using MIL-STD-217 along with thermal and stress on component level. Must have familiarity with stress de-rating. 	
Education, Experience, and/or Qualifications	
<ul style="list-style-type: none"> ▪ BS in Electrical Engineering and a minimum of 7 years' related engineering experience, or MS in Electrical Engineering with at least 5 years' related experience in electronic systems design. ▪ Experience in the avionics and/or defense industries. ▪ Must have mathematical skills for reliability analysis using MIL-STD-217 along with thermal and stress on component level, and familiarity with stress de-rating. ▪ Must have experience with communication protocols, such as RS-232 and RS-422, or experience with embedded processing platforms is required. Knowledge of other protocols, such ARINC 429 and MIL-STD-1553 is desired. 	



- Knowledge of video interfaces such as RS-170, VGA, and DVI is a plus. Additional experience with display backlight drive electronics and power supply design is also beneficial.
- Must have excellent verbal communication and written documentation skills, as well as strong analytical skills with the ability to evaluate and solve problems, and be a team player.

Language Skills

Ability to read, analyze, and interpret common scientific and technical journals Ability to effectively present information to management.

Reasoning Ability

Ability to define problems, collect data, establish facts, and draw valid conclusions. Ability to interpret an extensive variety of technical instructions in mathematical or diagram form.

Physical Demands

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. This position requires a great deal of walking, standing, sitting, talking, and listening. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Work Environment

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Office area with minimal noise. Production area (with access to office area): paints, adhesives, and solvents present; safety equipment such as masks, gloves, respirators, etc. may be required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

THIS POSITION DESCRIPTION REFLECTS THE GENERAL LEVEL AND NATURE OF THE JOB, AND IS NOT TO BE CONSTRUED AS ALL INCLUSIVE.