

Title: Electronics Design Engineer

Company Description

Escape Communications designs, produces and sells complex wireless communications products and systems into the telecommunications equipment and satellite communications industries. We are located in the South Bay area, a few short miles from Los Angeles County beaches. Escape is a small company, where employees get the opportunity to wear many hats and learn many disciplines. We are growing, and we are looking for exceptional, motivated individuals to grow with us. We are currently looking for engineers with expertise in communications signal processing and software development.

Job Description

Escape Communications develops state-of-the-art signal processing platforms for terrestrial microwave, millimeterwave and SATCOM wireless radio links. These platforms employ highly flexible architectures, with configurable modulation modes ranging from FSK to 4096QAM, and configurable bit rates ranging up to 10 gigabits per second and beyond. Advanced features include cross-polarization interference canceling, diversity combining, adaptive modulation & coding, and advanced forward error correction. Flexible Mux and Demux functions allow the combining of multiple line interface types and channels within a single radio link. Our military SATCOM terminal platform products employ complex protected frequency hopped, time permuted TDMA waveforms. Applications include cellular backhaul, broadband wireless access backhaul, high capacity last mile, private networks, as well as commercial and military satellite communications.

Escape is seeking a talented and motivated individual to be a key contributor to the PCB design of our product platforms. Responsibilities span the full cycle of PCB design through manufacturing readiness, including digital and analog circuit design, power circuit design, simulation and performance analysis, schematic capture, layout, prototype fabrication and assembly, lab troubleshooting, and final product design verification. Interest and aptitude in the entire product development process, from concept to hands-on lab verification, is highly valued in this role.

Qualifications

Qualifications for this position include:

- Experience in circuit design and simulation
- Schematic capture and PCB layout
- Hands-on lab troubleshooting
- In-depth understanding of high-speed design and related EMI/EMC issues will be highly valued
- Experience with the Mentor Graphics PADS suite of design tools is a plus.
- Experience with VHDL and/or Verilog coding for FPGAs is also preferred.

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A bachelors degree in EE is required; masters degree is preferred. Preference will be given to applicants with prior relevant experience.

Successful applicant must be a U.S. person (citizen or green card holder).

Escape Communications offers a relaxed work environment and a generous benefits package, including health benefits, flexible vacation time, a 401K retirement plan, and a stock options plan for qualified applicants.

Escape Communications is an equal opportunity employer.

Contact: jobs@escapecom.com www.escapecom.com