

# Job Description



<b>Job Title</b>	<b>Sr. Engineer, Photonic Design</b>
<b>Department</b>	<b>Engineering</b>
<b>Location</b>	<b>Carlsbad, CA</b>
<b>Reports to (title)</b>	<b>Sr. Director, Engineering</b>

Luxtera, Inc. seeks Sr. Engineer, Photonic Design in Carlsbad, CA.

This is a key development role focusing on creating an optical component library for Luxtera's next-generation silicon photonics optical modules Work as part of a team of photonic engineers dedicated to developing Luxtera's technology platform.

## ROLE:

- Design and validate photonic components, subsystems, and integrated optoelectronic circuits
- Define test plans and test optical/electrical performance of photonic devices
- Identify process improvements to increase the system performance of optical components
- Support continuous improvement projects of optical transceiver products
- Work closely with Electronics and Packaging teams to identify design trade-offs.

## QUALIFICATIONS/SKILLS:

- Requires 3 years' experience in the following:
  - Design and test of passive and active silicon photonics components (grating couplers, splitters, filters, modulators, and detectors);
  - Device modeling software tools (Silvaco, Athena, Medici, and Atlas);
  - Optical modeling software tools (Lumerical, RSoft, and Photon Design);
  - Statistical analysis tools (JMP and DataConductor);
  - Optical test equipment (tunable lasers, detectors, and optical spectrum analyzers);
  - Microwave measurement techniques.

## EDUCATION & EXPERIENCE:

- Requires a Master's degree in Electrical Engineering, Physics, or related field plus 3 years of experience

## ATTRIBUTES/APTITUDES/ATTITUDE

- Thrives in a highly collaborative and dynamic work environment
- Possesses a quality-oriented mindset and attention to details
- Demonstrate superb communication skills
- Strong inner drive and self-motivation
- Creativity in problem-solving

## OTHER

- Must also have authority to work permanently in the U.S. Applicants who are interested in this position may apply online at [www.jobpostingtoday.com](http://www.jobpostingtoday.com), Reference: #76612.