

POSITION DESCRIPTION

CLEARFIELD, INC

POSITION TITLE: Principal Engineer

POSITION OBJECTIVE:

Work with the Design Engineering team as an innovator and problem solver throughout the design process of Clearfield fiber optic products and assembly processes. Use knowledge of mechanical engineering and telecom industry standards to act as an internal consultant to the entire team.

POSITION DESCRIPTION:

1. Assist in the design of parts/components, *specifically fiber cable assemblies*, and other internal componentry for high-volume production, ease of assembly, and cost as well as custom low volume application specific solutions.
 - Identify problems or risks, collect and analyze data and develop solution support from the concept stage of a new product through production manufacturing.
 - Suggest alternatives in design or process to internal and external parties, during design reviews, and elsewhere as applicable.
 - Work proactively with other members of the engineering staff where possible, providing input and assistance on design, manufacturing, quality, process and test issues.
 - Build (or specify design of) prototypes or “samples” of development products, *specifically fiber cable assemblies*, as needed.
 - Review SARs as directed, providing Sales/PM and Designers with innovative suggestions to meeting customer needs,
2. Develop manufacturing processes for new products, *specifically fiber cable assemblies* and document appropriately:
 - Define and develop testing procedures and methods for qualification of new product developed both internally and with external partners.
 - Assist Mfg. Engineering in the design and development of internal and external procedures for manufacturing, assembly, testing, and packaging.
 - Specify equipment as necessary for product assembly and development
3. Remain abreast of current industry, supplier, and technology advancements and standards to ensure company's products remain marketable and competitive.
4. Performs other duties as apparent or assigned.

POSITION REQUIREMENTS

- Bachelor’s degree, Mechanical Engineering
- 2+ years experience in new product development
- Background in termination and management of fiber optic cabling necessary
- Excellent problem solving, organizational, decision making, and communication skills
- Knowledge of solid modeling in Creo/Pro E helpful

November 2018

