

ASA Electronics, LLC

CAD Designer

Department: Engineering

Reports to: Vice President of Engineering

Summary of Function: The primary responsibility of the CAD Designer position is to create and maintain product 2D drawings and 3D models and related documentation for past and current projects.

Position Requirements/Qualifications

1. Proficient in SolidWorks with 2-5 years experience designing sheet metal and injection molded parts. SolidWorks CSWA certification preferred but not required.
2. Knowledge of Windows, Microsoft Office, and ISO-9000 standards and requirements.
3. Strong communication skills, positive attitude, team oriented and self directed.
4. Associates Degree in Drafting/CAD Technology, Mechanical Engineering, Mechanical Engineering Technology or equivalent experience
5. 2-3 years experience and working knowledge of AutoCAD

Major Duties and Responsibilities

1. Mechanical part and assembly design.
2. Mechanical part and assembly design review.
3. Solid models and assembly creation based on sketches and instruction.
4. Creation of 2D drawings (AutoCAD) from 3D models (Solidworks).
5. Creation of electrical harness drawings
6. Creation of vehicle systems drawings
7. Creation of rapid prototypes used for design verification
8. Check prototypes with precision instruments for print to part accuracy.
9. Control revisions on existing prints and redesigns on existing products.
10. Provide detailed installation assembly prints with BOM's for Fabrication use.
11. Provide design support as needed to Product/Project managers
12. Establish standards for all aspects of drawing as far as tolerance, layer control, title blocks, and drawing aspects of project designs.
13. Other tasks as assigned.

Last revised date: 6-13-2022
Modified by: Jerry Maffetone