

Senior Staff AC/DC Applications Engineer

Type: Full-time
Reports To: Director of Systems & Applications Engineering
Location: Toronto or San Diego

Silanna is a privately held semiconductor company with exciting new products for power conversion. We are looking for a Senior Staff Applications Engineer to become an integral part of the power products group based. Silanna's Power Products have industry leading metrics of power density, efficiency and switching frequency.

Your key responsibilities follow:

- Responsible for delivering the Alpha and Beta release of Silanna reference designs (Passes all tests to the standard of a released product. One could certify the final design in its target application without any changes).
- Will come up with board level circuits that help with the product (AC/DC controller IC), its ease of use, and competitiveness and implement such circuits in production ready reference designs that will be available from Silanna / partner / distributor websites; available to FAEs and customers.
- Preparation of product support documents: datasheets, application notes, user guides.
- Support FAE's in customer support.
- Analyze and test customer application boards to optimize power system size, efficiency and cost.
- Provide technical support and develop close working relationships with customers.
- Create development kit & reference designs as well as the appropriate support documentation.
- Create hardware related customer support documents, application notes, test reports, and FAQs.
- May require occasional travel (2 to times per year)

Required Skills and Experience

- Highly capable with bench instruments (oscilloscope, power meter, spectrum analyzer, etc. as well as Altium schematic and layout
- Proficient in soldering, building and testing of printed circuit boards
- Can communicate with customers very well, both in written and verbal modes of communication.
- More than 7 years Power Electronics industry experience
- System-level application experience with AC/DC power ICs desirable
- BS in Electrical Engineering (or equivalent)
- MS in Electrical Engineering preferred