

## New College Grad- Applications Engineer, Automotive Electronics

Location: Novi, MI

### SUMMARY

The New Product Application Engineering Team at ROHM Semiconductor has an immediate opportunity for an Applications Engineer (Automotive) - New College Grad. We are seeking a dynamic and talented electronics engineering graduate who will be responsible for supporting [technical + business activities](#). They will work on IC for automotive applications, internal and external facing business topics, working with customers and internal development team on product, and assisting the IC development team in evaluating new products and participating in the go-to-market rollout of new introduction and early proof of concepts.

This is an exciting role for a new graduate to develop technical and business skills required for Applications Engineering career in the semiconductor and automotive industry. [Come be a part of our startup-like, fast paced environment with an established company. Rohm is committed to having to have a diverse workplace and invites you.](#)

### DUTIES AND RESPONSIBILITIES

To perform this job successfully, an individual must be able to perform each essential function satisfactorily to include but not limited to:

- Engage with key customer engineers, at many levels to work on challenging real-world problems and win the design-in of ROHM products
- Work closely with colleagues in engineering, sales and marketing teams to provide technical support during all stages of the product life cycle.
- Work closely with customers during the design phase, understanding the full scope of the customers' requirements to help guide the development teams
- Work closely with the development teams to assist in the validation process
- Participate in new product design reviews both internally and externally
- Generate customer specific presentations to clearly illustrate final product application and benefits

### QUALIFICATIONS

Education/Training and Experience:

- Bachelor's degree in Electrical Engineering, Computer Engineering, or similar electronic technical subject; or applicable major or equivalent combination of education/training and work experience, or equivalent industry work experience is a minimum requirement
- College grads with automotive electronics internship experience; or 1-3 year's current work history and demonstrated skills & background application/system engineering support in the Semiconductor industry
- Proficient verbal and written English language. Japanese language skills are desired/highly preferable.
- Possess a good degree of professional business acumen
- Effective communication skills (written, oral and listening)
- Demonstrated strong interpersonal skills and abilities

#### Required Skills:

- General understanding and use of simple schematics and schematics entry tools
- Strong knowledge of semiconductor and core electrical engineering concepts
- **Automotive electronics knowledge, safety requirements with understanding of tradeoffs is a strong plus.**

#### Preferred Requirements/Skills:

- Able to understand and write I2C and SPI code
- Experience with discrete, optical, or analog/digital/mixed signal LSI semiconductor design
- Experience with semiconductor packaging design
- Experience with semiconductor manufacturing process
- Background and knowledge of:
- Knowledge in following areas: Automotive power management, AC/DC, high frequency DC/DC, Battery management, PMIC, high power solutions using SiC, GaN, Gate Drives, LED Drivers, Class D Amplifiers, Motor Drivers
- Equipment knowledge – PCB design tools, Analytical Software, Matlab, development environment software; Object or component-oriented development software, scripting languages; Signal generators, circuit testers, electronic measuring probes, oscilloscope
- Consult end users to test and debug applications to meet customer needs; assists in resolving customer technical issues
- Identify, analyze, and resolve system design weaknesses
- Demonstrated experience in successful customer and team relationships
- Formulate and deliver presentations and demos
- Strong analytical skills

#### Abilities/Attitudes:

- [Desire to work in a dynamic environment, startup like atmosphere, with the financial security of a large company](#)
- Desire to fully complete tasks with high attention to detail
- Excellent skills in: Communication (oral, written, and listening), customer service, organizational, analytical and negotiation
- Collaborate with internal/external teams
- Strong critical-thinking and problem-solving abilities. Must be detailed-oriented and able to multitask and manage workload and determine priorities.
- Ability to travel to Japan; work is mostly based in the greater Detroit area
- Proven ability to influence cross-functional, multinational teams without formal authority
- Works effectively in a collaborative team environment
- Identify new business opportunities
- Stay abreast of new technologies, industry trends and enhance professional growth
- Ability to work independently with minimal supervision

ROHM Co. LTD is a \$4B global semiconductor company headquartered in Kyoto, Japan. ROHM designs, develops, manufactures, and markets a broad range of linear and mixed signal integrated circuits that are used by leading consumer electronics, automotive and industrial companies across the world.