

JOB DESCRIPTION

Arçelik is looking for a Project Engineer - R&D (Hardware) who will work for Washing Machine Product Directorate.

- Working as a part of the Hardware Team which Designing and testing electronic circuits, under DFC (Design for Component Cost), DFM (Design for Manufacture) and DFT (Design for Test) concepts,
- Working with PCB Designers, and Embedded Software engineers and Mechanical Engineers, for the development of modules and products,
- Testing/Debugging prototype boards,
- Monitoring suppliers' activities and analyzing test reports and project deliverables,
- Aligning with the Project Management Team, Industrial Design Team, Procurement Engineer Team, domestic or outsource Production Teams and Production Planning Team,
- Reporting directly to Hardware Team Leader in Electronic Control System Team, and the Electronic Control System Manager.

Qualifications

- Bachelor's Degree in Electrical Engineering or Electrical/Electronics Engineering
- Having a Master's Degree will be a must,
- Experience in Schematic and PCB design
- Basic knowledge about circuit topology selection, components selection, circuit board layout, prototyping, testing and validation of power electronics product,
- Ability to read, understand, and implement an electronic design,
- Basic understanding of EN-standards and IEC/UL normative for domestic appliances.
- Support testing engineers and Quality engineers,
- Develop designs with minimal supervision for PCBAs controlling washing machine products. Monitor and guide PCB layout and prototyping,
- Excellent verbal and written skills in English,

The position is located in Istanbul – Cayırova.

Required

- Basic knowledge analog circuits, power circuits, and discrete components,
- Basic knowledge of different power electronics circuit topologies,
- Experience in PCB design, using schematic design and layout tools, Altium Designer is a plus
- Good knowledge of electronic laboratory instruments, and ability to test/debug PCBAs prototypes,
- Experience with soft switching power converters,
- Experience with EMC/EMI mitigation is a plus,
- Experience with electric motors driving - UM, DC, BLDC is a plus,
- Excellent verbal and written skills in English,
- Ability to speak professionally directly with team members, including mechanical engineers and system engineers,

- Thinking broadly about business,
- Having the desire to do outstanding jobs,
- Recognizing and understanding the emotions of other people,
- Listening to different perspectives and showing flexibility,
- Building collaboration,
- Clear in communicating thoughts and ideas.

Desired

- Strong knowledge of Microsoft Office Programs,
- Previous experience with ARM-Cortex microcontrollers,
- Basic knowledge of embedded programming (C) is a plus,
- Having experience with agile software development methodologies and practices and familiar with JIRA,
- Previous experience in multiphysics modeling and simulation tools (MatLab/Simulink) is a plus