

## **JOB DESCRIPTION FOR EMBEDDED HARDWARE ENGINEER**

### **Required Qualifications/credentials:**

- B.Tech Electronics Engineering.
- 1-2 years experience in Circuit Designing & Wiring Harness Design.

### **Primary Responsibilities include, but not limited to -**

- Experience in embedded system design with 8/16/32-bit microprocessor design.
- Experience in Wire Harness Design.
- Well versed with 2D Harness Drawing in softwares like AutoCAD.
- 3D Harness Layout in Solidworks, Creo etc.
- Well-versed in Digital, Analog & Mixed Designing.
- Experience in Schematic & PCB Designing on softwares like Altium, OrCAD.
- Know how to select components like MOSFET, OPAMP, ADC, DAC, Controllers, Drivers etc.
- Knowledge on various communication protocols like SPI, I2C, CAN, UART, Ethernet etc.
- Good at documentation
- Must be able to build test setup for testing of hardware.
- Capable of analyzing the root cause when there is a failure related to electrical component and can provide the mitigation and long-term solution.
- Familiar with knowledge of signal integrity, EMI/EMC, CCC, CE, UL, RoHS.
- Proficient in debugging instruments like digital oscilloscopes, logic analyzers, spectrum analyzers etc.
- Experience in practices for DFT & DFM.
- Candidate must be flexible, pro-active and willing to learn and contribute to meeting team objectives.