

Job Description			
Job Title	Engg-HW design – Embedded Systems – D&D	Job Code	DND080
Department	D&D		
Location	Noida		
Job Summary	Responsible for schematic design, PCB verification, prototyping, board testing, production training etc. Will be responsible for parametric testing, certification testing from external labs, test procedure creation and test jig creation. Will also assist validation team in preparing negative/positive test cases to be executed during product validation.		
Working Relationships	Reporting to: Team Lead-Hardware		
	Responsible for managing : Technician		
	Other Key Relationships: - Interacting with SW Team for matters related to prototyping, initial board testing, test jig creation, hardware driver integration, ckt training, module testing and documentation related to board preparation. - Interacting with HW-QA team for matters related to SW-QA compliances. - Interacting with production team for proto-typing, imparting board level testing training, debugging training - Interacting with purchase team for handing over purchase related information - Interacting with validation team for initial board preparation training, assisting on positive and negative test case preparation. - Interacting with technical documentation team for providing input for technical documentation - Interacting with ESG team for proper training and handover of ESG team all hardware boards to be transferred to factory - Interacting with external LAB for certification testing		
Functions & Responsibilities	- Low level HW design document preparation. - Schematic designing, netlist creating, gerber verification, BoM preparation. - Prototyping of PCB boards - Designing of various harnesses, external cables etc - Following the rule set prepared for hw designing, commenting of the HW modules. - Preparation and execution of module test cases and report preparation - Device driver integration with SW team - Creation of simulation for interface testing, test zigs etc. - Preparation of all production handover documents like test procedures, test report formats, training documents, wiring diagrams etc - Imparting training to production and ESG team for smoother handover of card manufacture in the factory - Conducting refresher training of ESG/production/Support for refreshing the skill set - Managing obsolescence management of components - Assist validation team in positive test, negative test cases preparation and		

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	initial HW training. n) Carrying out parametric testing in internal labs and external labs o) Carrying out various hardware certifications from external lab p) Assisting technical document team in preparing the technical manuals, trouble shooting guides, repair manual by providing relevant inputs
Requirements	a) B.E./B. Tech/Diploma (Electrical/Electronics) b) 2+ years of experience with requisite training in hardware designing tools and equipments c) For diploma holder 3+ years of experience is required d) Hands on experience of Schematic Design Tools and PCB design tools e) Proficiency in schematic design, netlist generation, BoM creating – Trained from training institute or prior experience f) Proficiency in power supplies/processor/micro-controller, interfaces and control. g) Proficiency of various system buses, communication protocols, ethernet protocols and tools. h) Complete understanding of hardware design life cycle. i) Experience in proto-typing and testing j) Understanding of software driver integration k) Basic knowledge of general protocols, system buses and interfaces l) Basic knowledge of higher level documentation tools such as PPT, Visio, Snagit etc
Job posting requirements	Recruitment for this position shall be carried out preferably through Hardware/Embedded system training institutes. Face-to-face interview shall be conducted for scrutinizing the resource.