

Position Specification

Associate Design Engineer SLPE

I have received a copy of this position specification and I understand the scope of my responsibilities and leadership duties:

Incumbent _____ Date _____

Manager / Title _____ Date _____

Approval Signatures	Approval Date
Department Head:	
Human Resources:	
President:	

POSITION SPECIFICATION

POSITION TITLE: Associate Design Engineer
COMPANY: SL Power Electronics Corp. [SLPE]
POSITION LOCATION: Shanghai China
REPORTS TO: Shanghai Engineering Mgr
DIRECT REPORTS: None
DOTTED LINE REPORTS: None

OVERVIEW:

The associate design engineer will assist the engineering manager in NPI development according to product specification or customer's requirement, design modification based on exist design platform. support engineers to perform bench test and design documentation creation, and support manufacturing activities. The associate design engineer will also be responsible for supporting component and vendor qualification for sustaining and cost out initiatives. The position requires communication with the engineering (electrical , PCB, mechanical, documentation, DVT, Safety etc.), manufacturing and quality.

KEY RESPONSIBILITIES:

- Participate in specification reviews, design reviews and provide comments to team
- Assist design engineer in completing prototyping, testing and data collection
- Assist design engineer to complete the EVT testing including bench work, EMI, thermal, EMC etc.
- Support design engineer, mechanical engineer, documentation engineer and component engineer for BOM creation, material cost estimate, labor cost estimate, new parts qualification and AVL process, work with manufacture engineering for DFM issues.
- Support manufacture to complete first pilot run, data collection, analysis and DFM improvement solution based on P1 building.
- Assist design engineer to complete DVT, safety testing , DVT report creation and EMC, HALT and any additional testing requirements.
- Support engineer to compete the design change based on P1, P2
- Documentation creating and release, drive the ECN signoff process
- Support the engineering team in analysis and troubleshooting of various power circuits and assemblies.
- Travel to manufacturing site for supporting pilot runs and resolving DFM issues.
- Travel to customer sites to support engineering, field applications and sales.
- Perform other duties as required.

EDUCATION/EXPERIENCE/QUALIFICATIONS:

- Bachelor degree+ 2 year experience switching power supply design, component engineering, testing and manufacturing.
- Knowledge of electrical technology, component specifications, switching power supply specifications, t
- Good hands-on experience with power supply design, testing and component qualification.
- Strong capability of the design tools application like pads, Mathcad, office (words, excel etc.)
- Good verbal and written technical communication skills (specifications, technical writing, theory). Good team work and cooperation.
- Good English language skills: verbal and written.
- Must be willing to travel to manufacturing and customer locations as needed.

LEADERSHIP CHARACTERISTICS:

See attached scorecard –