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MicroSun Electronics Technical Design Qualifications

Nevada Operations

Number of Dedicated Electrical Engineering Staff: 3

Number of Dedicated Mechanical Engineering Staff: 2

Technical Skills and Relevant History:

- Process engineering capabilities
- Design Electrical Engineering
- Design Mechanical Engineering
- Design support for existing product
- New Product Development
- Component Obsolescence Support
- Embedded Firmware Development
- Process engineering capabilities
- RMA / customer post-sales support
- Regional sourcing and purchasing
- Regional customer service
- 2 Automated production lines
- 5 Production lines

Software Tools:

- Ability to convert all types of incoming software platforms.
- Electrical Engineering uses Eagle for board layout and design day to day.
- Mechanical Engineering use Solidworks 2008 for design day to day.

Illinois Operations – Corporate Headquarters

Number of Dedicated Electrical Engineering Staff: 13

Number of Dedicated Mechanical Engineering Staff: 5

Technical Skills and Relevant History:

- Process engineering capabilities
- Design Electrical Engineering
- Design Mechanical Engineering

- Design support for existing product
- New Product Development
- Component Obsolescence Support
- Embedded Firmware Development
- Alternative Energy experts
- Process engineering capabilities
- RMA / customer post-sales support
- Regional sourcing and purchasing
- Regional customer service
- PL type of support to customers in the region
- Resistance welding capability
- Ultra-sonic welding capability
- Soldering and cable assembly

Software Tools:

- Ability to convert all types of incoming software platforms.
- Electrical Engineering uses Eagle for board layout and design day to day.
- Electrical Engineering uses P Spice for gerber layout.
- Electrical Engineering uses C++ Visual Basic for programming of Firmware.
- Mechanical Engineering use Solidworks 2008 for design day to day.

Iowa Operations

Number of Dedicated Electrical Engineering Staff: 2

Number of Dedicated Mechanical Engineering Staff: 1

Technical Skills and Relevant History:

- Process engineering capabilities
- Design Electrical Engineering
- Design Mechanical Engineering
- Design support for existing product
- New Product Development
- Component Obsolescence Support
- Embedded Firmware Development
- Alternative Energy expert

Software Tools:

- Ability to convert all types of incoming software platforms.
- Electrical Engineering uses Eagle for board layout and design day to day.
- Electrical Engineering uses Viewmate for schematic capture
- Electrical Engineering uses Spice Simulators for evaluation of schematics
- Mechanical Engineering use Solidworks 2008 and Pro E 2007 for design day to day.

Asia Operations

Currently at MSTA (MicroSun Technologies – Asia) we do not have any design engineering capability, therefore there aren't any software packages that we use for reading/updating schematics and board layouts.

Technical Skills and Relevant History:

- Process engineering capabilities
- RMA / customer post-sales support
- Regional sourcing and purchasing
- Regional customer service
- No design engineering support (ME and EE)
- 3PL type of support to customers in the region
- 10 production lines
- Resistance welding capability
- Ultra-sonic welding capability
- Soldering and cable assembly

In addition to the above services and capabilities, MSTA's quality system is certified to be compliant with ISO 9001 and 14001 standards. In addition, MSTA has been qualified on behalf of MSTU by many major OEMS and contract manufacturers. The list includes: XM Satellite Radio, Flextronics, Sanmina, Celestica, and Baxter Medical.