



Power Design Services

Design Input Requirements

Netlist

This must be Complete and error free.

Schematic

The schematic must be identical to the Netlist in hardcopy and legible. If possible, a soft copy in PDF will be appreciated. Orcad formatted file can be utilized for Pads design work.

Symbols mechanical data sheet

Each data sheet must contain complete mechanical information and unambiguous pin identifiers. Pin locations need 1st, 2nd and last (Minimum). Please include any information on alpha characters pin sequencing (e.g. a diode with its pins numbered as anode and cathode).

Board mechanicals

The preferable format is a 1:1 DXF. If this cannot be provided, a hardcopy mechanical drawing is needed. For Allegro, IDF is also acceptable. The board information should include dimensioned board size and thickness, mounting holes and sizes, locations of the connectors, leads, or any other critical hardware locations dimensioned from pin 1. Height restrictions and/or keep outs and routing keep outs should also be included.

PCB Fab and Assembly drawing information

Board title, fab and assembly numbers, fab and assembly drawing numbers (if different from fab and assembly part numbers), logo and any additional information needed for the fab and assembly drawings will be provided.

Electrical Design rules

These rules should include pertinent information regarding impedances, clocks, differentials, busses (including routing priority), lengths, and trace Parallelism on Y and Z-axis etc. These rules are required even if the information is embedded within the netlist.

Manufacturing rules

If no manufacturing rules are supplied, Power Design Services will employ its standard manufacturing practices.

Proposed stack up

Material type, number of layers and copper weight is defined.

Additional information