



Electronic Design Solutions Inc.

DESIGN INPUT FORM To expedite your project, we have prepared a list of requirements which will aid in processing your design efficiently.

Date

Table with 4 columns: Board Name or Number, Electrical Engineer, Mechanical Engineer, Schematic Name or Number, ECN Number, Revision, Sch Sign off Date

General Design Requirements:

Electrical Type

Analog [] Digital [] Power [] Other, Specify []

Design Guidelines

IPC/ EDSI [] Contract [] Other, Specify [] (i.e. Bell Core)

Schematic Format

Altium [] OrCad [] PDF [] Other, Specify []

Schematic has been compiled for errors? []

Environment:

Airborne [] Naval [] Space [] Other, Specify []

Class2 [] Class 3 []

Mechanical Requirements:

Thickness (mils)

Rigid [] Flex [] Backplane [] Heat Sink [] Cold Plate [] Other []

Estimated number of Layers

Bill of Materials

Bill of Materials provided? []

Bill of Material contains complete part number []

Datasheets provided? []

Checklist

- PDF file provide along with mechanical file?
- DXF or STEP file provided
- Connector position shown on drawing
- Connector orientation shown on drawing
- Connector Identification on drawing
- Height Constraints Top on drawing (mils)
- Height Constraints Bottom (mils)
- Thermal Constraints
- Mounting holes annular ring shown on dwg?
- Mounting holes diameter shown on dwg?

Additional Electrical Requirements:

Controlled Impedance

Clock Speeds (rise time ns)

Signal Constraints (Add second page if required)

Signal name	Max length (mils)	Min length (mils)	Matched length tolerance (mils)	Diff pair Impedance Ohms	Impedance Single Ohms	Current Capacity Amps	Space Requirements Voltage

Additional Requirements: Components to be added to PWA : i.e adhesives, tapes, thermal compounds, heat sinks, conformal coating requirements. (Add second page if required)

Part Number Manufacture URL/ Link

Comments/ or Requirements (Add second page if required)
