

Mandatory Requirements for Turnkey Quote only

- 1) CAD Data (see document on files required for Fabmaster)
- 2) Schematics (.pdf or post script soft copies preferred)

Additional Preferred items required for a Turnkey Quote

- 1) AVL BOM (Approved Vendor List) A BOM listing the actual manufactures part numbers not internal part numbers for each device loaded on the card
- 2) Fabrication Drawing Showing dimensions of Card (this is a mandatory requirement for boards are larger than 16"x 22"
- 3) SOW listing any special requirements such as Flash or ISP programming or anything not considered standard ICT programming. Please refer to APG Programming Standards Document for more detailed explanations of standard verses non-standard programming practices.

Materials Required to Complete Development After Quote

Project Start date is defined as the date when APG has received in-house all the materials and data required to start development of the project. These items are listed below:

- 1) Latest revision of CAD
- 2) Latest revision of back annotated Schematics (postscript or .pdf format)
- 3) Latest revision of AVL BOM
- 4) If multiple versions of a card are being developed on a single test fixture a set of BOM's or BOM differences are required for each board version.
- 5) Latest revision of Gerber Files and NC drill files (these are the files the bare board manufacturer uses to fabricate the card.
- 6) Latest revision of Fabrication Drawing or Document listing board thickness and stack up/drill tolerances
- 7) Loaded Gold Card* (Mechanical Sample/down level for board less start)
- 8) Purchase order number
- 9) All BSDL files that cannot be obtained from device manufacture or over the internet
- 10) All Data sheets for custom ASICS and off the shelf devices with data sheets not available on the Internet.
- 11) All programmable data files (.jed, .fit, .rpt, .pof, s-record, etc..etc..) for Acugen testing, ISP and Flash Programming (if required)
- 12) All specifications or SOW for custom programming work such as FRU or Flash custom programming sections special requirements for functional test etc.
- 13) Autofile number (assigned by Contract manufacturer) Can use part of board ID if no CM is selected yet

If any of the items above cannot be obtained or you are unsure of the file format or type please contact APG directly for information and assistance. In some cases APG can work around certain requirements above, however this will always cause adjustments in price, schedule and/or possibly quality (or quality checks).