



ALTIUM LAYOUT PCB CAD FILE NAMING CONVENTION (DELIVERABLES & README)

NOTES:

Customer Delivery	Email delivery as attachment preferred, FTP delivery possible. Send data to the customer only unless they have specifically requested delivery to their assigned fab/asy house.
Manufacturer Delivery	Never send IP data (schematic, etc.) to the manufacturer. When delivering files, separate emails/FTP sites should go to the customer and to the manufacturer.
Zipping Files	Do File->Save As to CAM for all files renaming as necessary. Schematics can be copied and pushed back into the Project after removal from the S# Iteration Folder. Output all Containers in the OutJob. Zip CONTENTS of each sub-folder using naming convention below to the ARC Folder. Copy all Altium FILES (no folders) from the root folder to the ARC folder. Clear the working directory to History and then copy all files from ARC folder back to working directory.

CONVENTION:

<PCB PN>.EXT	Use Bare PCB Board Part Number unless specified as in the assembly file data.
<PCB PN>.QQQ	Qualifier used for layer reference in gerber files (i.e. GTL – Top layer , GTO - silk top)
<PCB PN>SS_PP.EXT	Optional qualifier used for TEMPORARY engineering iteration (i.e. S#[schematic iteration]_P#[PCB iteration])
<PCB PN>_REV-#.EXT	Drawing revision (shown as _REV-1.EEE or _REV-A.EEE)
<PCB PN>.EXT	File extension used to describe file type (i.e. .PrjPCB for Project File or .IPC for IPC-356 netlist)

ARCHIVE DATABASE FILE: Given to Customer (units in mils unless stated) (Compressed = <PCB PN>_ARC.ZIP)

<PCB PN>_REV-#.OutJob	Altium OutJob File
<PCA PN>_REV-#_ASY.PDF	Assembly Drawings in .PDF format
<PCB PN>_REV-#_FAB.PDF	Fabrication Drill Drawing in .PDF format
<PCB PN>_REV-#.PCBDoc	Altium binary database
<PCB PN>_REV-#.PrjPCB	Altium binary project file
<SCH PN>.SCHDoc	Altium binary schematic documents (include all pages)
Optional or Requested Files	
<PCB PN>_REV-#_BOM.XLSX	Parts list generated from Project (reference only)
Status Report.TXT	Status Report files can be left in the Outputs.

FABRICATION FILE: Given to Fabricator (units are in mils unless stated) (Compressed = <PCB PN>_FAB.ZIP) (Files in 274X format 2:5, RELATIVE, LEADING SUPPRESSED)

Gerber Folder	
<PCB PN>_REV-#.EXTREP	Extension Report to help ID layers below
<PCB PN>_REV-#.GXX	Metal Layer Gerber Data (Reference EXTREP for details)
<PCB PN>_REV-#.GBS	Soldermask-Bottom Gerber data
<PCB PN>_REV-#.GBO	Silkscreen-Bottom Gerber data
<PCB PN>_REV-#GM2	Board Outline Gerber data (Board Outline ONLY. No other references on this layer)
<PCB PN>_REV-#.GTO	Silkscreen-Top Gerber data
<PCB PN>_REV-#GTS	Soldermask-Top Gerber data
NC Drill Folder	
<PCB PN>_REV-#NC.DRR	NC Drill size report
<PCB PN>_REV-#NC.LDP	NC Drill layer pair report
<PCB PN>_REV-#NC.TXT	NC Drill machine file
ODB Folder	
<PCB PN>_REV-#_ODB	CAD Generated ODB++ (include entire folder)
IPC Folder	
<PCB PN>_REV-#.IPC	CAD Generated IPC-356 netlist (manually rename Test Points folder to IPC) (include report file)
<PCB PN>_REV-#_FAB.PDF	Fabrication Drill Drawing in .PDF format
Optional or Requested Files	
*.APR, *.REP, *.APR_LIB, Status Report.TXT	Support files can be left in the Outputs.

ASSEMBLY FILE: Given to Assembler (units are in mils unless stated) (Compressed = <PCA PN>_ASY.ZIP) (Files in 274X format 2:5, RELATIVE, LEADING SUPPRESSED)

Gerber Folder	
<PCB PN>_REV-#.GBP	Pastemask-Bottom Gerber data
<PCB PN>_REV-#.GTP	Pastemask-Top Gerber data
Pick Place Folder	
<PCB PN>_REV-#_XY<1 or mm>.XLSX	Pick & Place XY coordinate file (units in inches or millimeters)
<PCA PN>_REV-#_3D.PDF	Assembly Drawings in .PDF format
<PCA PN>_REV-#_ASY.PDF	Assembly Drawings in .PDF format
Optional or Requested Files	
<PCB PN>_REV-#_BOM.XLSX	Parts list generated from Project (reference only)
*.APR, *.REP, *.APR_LIB, Status Report.TXT	Status Report files can be left in the Outputs.

MECHANICAL FILES (ONLY if req.): Given to Mechanical Engineer (units in inches) (Compressed = <PCB PN>_MEC.ZIP)

<PCB PN>_REV-#_DXF	Database in AutoCAD (.DXF format)
<PCB PN>_REV-#.STEP	STEP file – 3D file if entire PCB