



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

NOTES:

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| 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. |

CONVENTION: <PCB PN>.EEE

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| <PCB PN>.EXT | Use Bare PCB Board Part Number unless specified as in the assembly file data. |
| <PCB PN>QQ.EXT | Optional qualifier used for layer reference in gerber files (i.e. L1 - layer 1, ST - 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-1.EXT | Drawing revision (shown as _REV-1.EEE or _REV-A.EEE) |
| <PCB PN>.EXT | File extension used to describe file type (i.e. .ASC for ASCII or .IPC for IPC-356 netlist) |

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

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| <PCB PN>_REV#.PCB | Pads binary database |
| <PCB PN>_REV#_ALL.ASC | Pads ASCII - Complete ASCII database (PADS-POWERPCB-V2005.2-BASIC version) |
| <PCB PN>_REV#_CAD-BOM.TXT | PCB CAD Parts list generate from Pads Reports, Part List 2 (reference only) |
| <PCA PN>_REV#_ASY.PDF | Assembly Drawings in .PDF format |
| <PCB PN>_REV#_FAB.PDF | Fabrication Drill Drawing in .PDF format |

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| Optional or Requested Files | |
| <SCH PN>_S#.EXT | Schematic Drawing MUST contain iteration #. |
| <PCB PN>_REV#_LEN.TXT | Length report (units in inches) |
| <PCB PN>_REV#_HYP | Hyperlynx file. |

FABRICATION FILE: Given to Fabricator (units are in mils unless stated) (Compressed = <PCB PN>_FAB.ZIP) (Files in 274X format 3.5 ABSOLUTE, LEADING SUPPRESSED)

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| <PCB PN>.IPC | CAD Generated IPC-356 netlist (IPC-D-356A option) (include report file) |
| <PCB PN>_REV#_FAB.PDF | Fabrication Drill Drawing in .PDF format |
| <PCB PN>_REV#_ODBpp.TGZ | CAD Generated ODB++ (Component outline layer is Layer_25) (include report file) |
| <PCB PN>BD.PHO | Board Outline Gerber data (Board Outline ONLY. No other references on this layer) |
| <PCB PN>L#.PHO | Metal Layer Gerber Data (# Indicates current metal layer) |
| <PCB PN>MB.PHO | Soldermask-Bottom Gerber data |
| <PCB PN>MT.PHO | Soldermask-Top Gerber data |
| <PCB PN>NC.DRL | NC Drill machine file |
| <PCB PN>NC.LST | NC Drill listing file |
| <PCB PN>NC.REP | NC Drill size report |
| <PCB PN>SB.PHO | Silkscreen-Bottom Gerber data |
| <PCB PN>ST.PHO | Silkscreen-Top Gerber data |

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| Optional or Requested Files | |
| Stackup.EXT | PCB Layer Stack-up provided by fabricator |

ASSEMBLY FILE: Given to Assembler (units are in mils unless stated) (Compressed = <PCA PN>_ASY.ZIP) (Files in 274X format 3.5 ABSOLUTE, LEADING SUPPRESSED)

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|---------------------------|---|
| <PCB PN>_REV#_ALL.ASC | Pads ASCII - Complete ASCII database (PADS-POWERPCB-V2005.2-BASIC version) |
| <PCB PN>_REV#_CAD-BOM.TXT | PCB CAD Parts list generate from Pads Reports, Part List 2 (reference only) |
| <PCB PN> XY<I or mm>.XLSX | Pick & Place XY coordinate file (units in inches or millimeters) |
| <PCB PN> PB.PHO | Pastemask-Bottom Gerber data |
| <PCB PN> PT.PHO | Pastemask-Top Gerber data |
| <PCA PN>_REV#_ASY.PDF | Assembly Drawings in .PDF format |

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| Optional or Requested Files | |
| <PCB PN>_REV#_ICT1.TXT | ICT file net – XY location – side of PCB |
| <PCB PN>_REV#_ICT2.TXT | ICT file net – BY NETLIST XY location – side of PCB |

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

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|-----------------------|-----------------------------------|
| <PCB PN>_REV#_DXF | Database in AutoCAD (.DXF format) |
| <PCB PN>_REV#_EMN | Solid works review files |
| <PCB PN>_REV#_EMP | Solid works review files |
| <PCB PN>_REV#_BOT.IGS | IGS BOTTOM SIDE review file |
| <PCB PN>_REV#_TOP.IGS | IGS TOP SIDE review file |