

# Baseboard Schematic Documentation

## PDNode-600 Baseboard

### PCB FABRICATION SPECIFICATION

#### BOARD PARAMETERS

Layers: 6  
 Board Size: 203.00 mm x 151.75 mm  
 PCB Thickness: 1.6 mm  
 Base Material: FR-4  
 Material Type: FR4 TG135  
 Stackup Code: JLC06161H-3313  
 Impedance Control: No requirement  
 Appearance Standard: IPC Class 2  
 Board Outline Tolerance: ±0.2 mm

#### COPPER & FINISH

Outer Copper Weight: 1 oz  
 Inner Copper Weight: 0.5 oz  
 Surface Finish: ENIG  
 Gold Thickness: 1 U"  
 Gold Fingers: No

#### SOLDER MASK & SILK

PCB Color: Green  
 Silkscreen Color: White  
 Via Covering: Epoxy Filled & Capped

#### DRILLING & SPECIAL PROCESSES

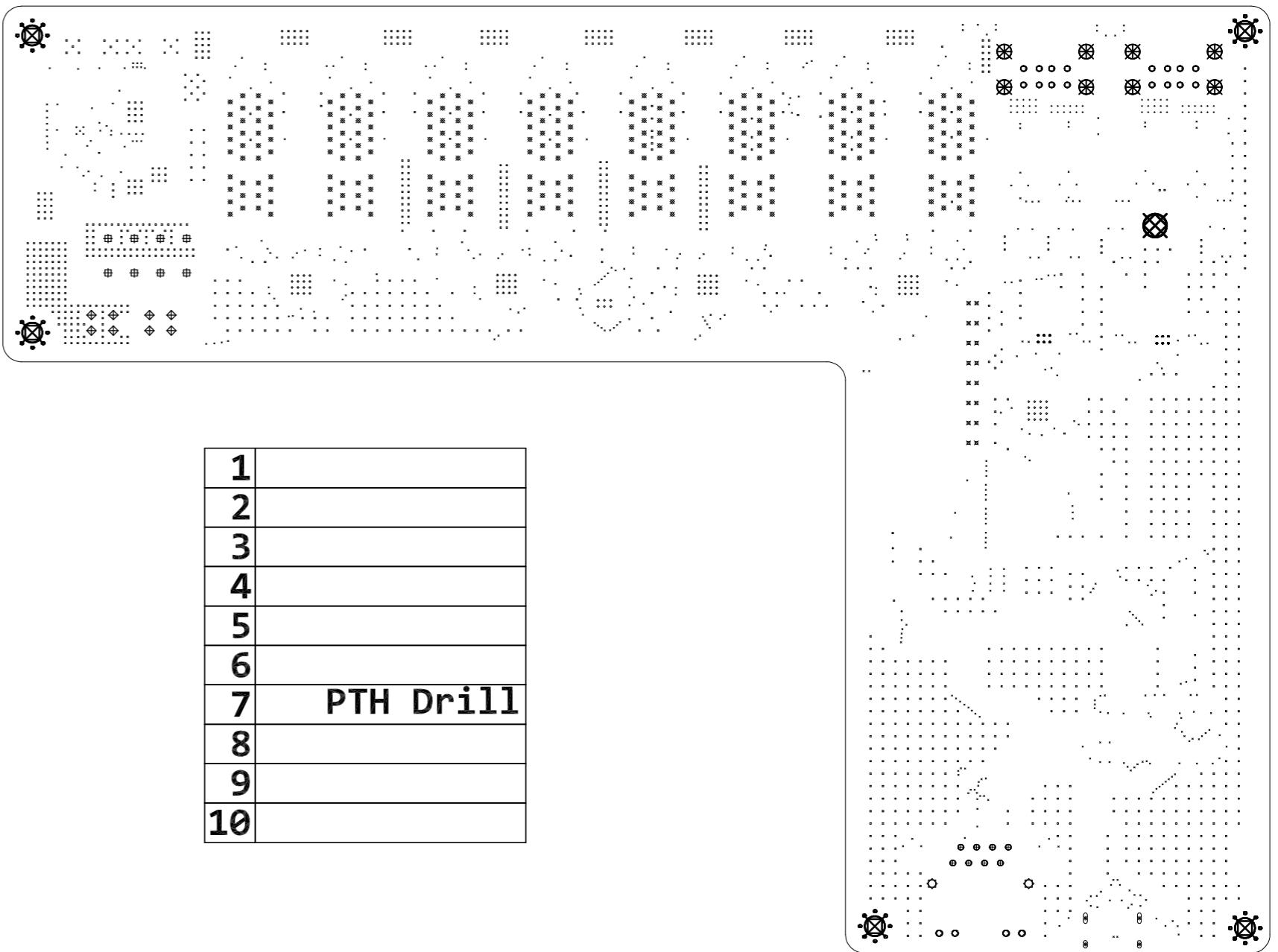
Min Via Hole: 0.2 mm  
 Via Pad / Finished Diameter: 0.4 mm  
 Castellated Holes: No  
 Edge Plating: No  
 Blind Slot: No  
 Press-Fit Hole: No  
 Countersink Hole: No  
 Backdrill: No

#### QUALITY & TEST

Electrical Test: Flying Probe Fully Test

#### LAYER STACKUP

Name	Type	Material	Thickness mm	Er	LossTg
F.Silkscreen	Top Silk	Direct Printing White	-	-	-
F.Paste	Paste	-	-	-	-
F.Mask	Solder Mask	Solder Resist Green	0.01	3.8	0
F.Cu	Copper	-	0.035	-	-
Dielectric 1	Prepreg	3313 RC57% 4.2mil	0.0994	4.1	0.02
In1.Cu	Copper	-	0.0152	-	-
Dielectric 2	Core	0.55mm H/H without copper	0.55	4.41	0.02
In2.Cu	Copper	-	0.0152	-	-
Dielectric 3	Prepreg	2116 RC54% 4.9mil	0.1088	4.16	0.02
In3.Cu	Copper	-	0.0152	-	-
Dielectric 4	Core	0.55mm H/H without copper	0.55	4.41	0.02
In4.Cu	Copper	-	0.0152	-	-
Dielectric 5	Prepreg	3313 RC57% 4.2mil	0.0994	4.1	0.02
B.Cu	Copper	-	0.035	-	-
B.Mask	Solder Mask	Solder Resist Green	0.01	3.8	0
B.Paste	Paste	-	-	-	-
B.Silkscreen	Bottom Silk	Direct Printing White	-	-	-



#### PTH DRILLMAP

Drill Map:

- 0.200mm / 0.0079" (552 holes)
- 0.200mm / 0.0079" (12 holes)
- 0.250mm / 0.0098" (54 holes)
- 0.300mm / 0.0118" (1358 holes)
- 0.300mm / 0.0118" (86 holes)
- 0.500mm / 0.0197" (40 holes)
- 0.600mm / 0.0236" (0 holes + 4 slots)
- 0.650mm / 0.0256" (16 holes)
- 0.700mm / 0.0276" (288 holes)
- 0.890mm / 0.0350" (8 holes)
- 0.920mm / 0.0362" (16 holes)
- 1.020mm / 0.0402" (4 holes)
- 1.400mm / 0.0551" (8 holes)
- 1.499mm / 0.0590" (8 holes)
- 1.630mm / 0.0642" (2 holes)
- 2.300mm / 0.0906" (8 holes)
- 3.200mm / 0.1260" (5 holes)
- 3.700mm / 0.1457" (1 hole)

#### NPTH DRILLMAP

Drill Map:

- × 0.650mm / 0.0256" (2 holes) (not plated)
- 1.150mm / 0.0453" (1 hole) (not plated)
- + 1.650mm / 0.0650" (1 hole) (not plated)
- 2.350mm / 0.0925" (16 holes) (not plated)
- ◊ 2.438mm / 0.0960" (1 hole) (not plated)
- ⊗ 3.250mm / 0.1280" (2 holes) (not plated)

	Board Name: <b>PDNode-600</b>	Project Name: <b>Baseboard</b>
Date:	File Name: PDNode_Baseboard.kicad_pcb	Revision: Variant: Pro
Sheet Title:	Company:	Designer: David Sipos Reviewer:
	Size: <b>A3</b>	Sheet: <b>1 of 1</b>