

# PDCard-4242 Schematic Documentation

## PDNode-600 Baseboard

### PCB FABRICATION SPECIFICATION

#### BOARD PARAMETERS

Layers: 6  
 Board Size: 57.17 mm x 29.92 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: YES  
 Beveling: Yes, 30°

#### 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

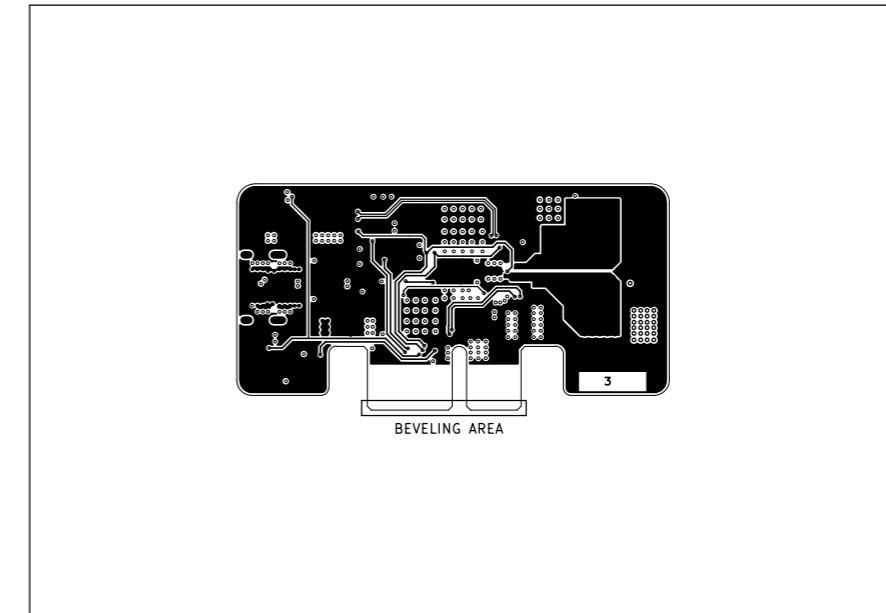
Electrical Test: Flying Probe Fully Test

#### LAYER STACKUP

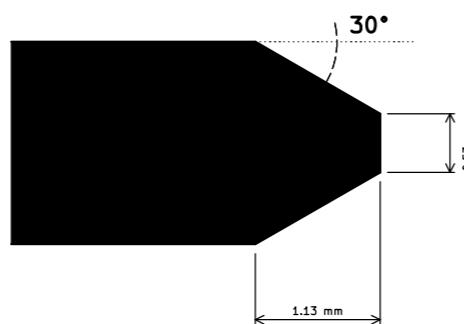
Name	Type	Material	Thickness mm	Er	LossTg
F.Silkscreen	Top Silk	Direct Printing White	-	-	-
F.Paste	Paste	-	-	-	-
F.Mask	Solder Mask	Solder Resist Green	0.01	3.8	0
F.Cu	Copper	-	0.035	-	-
Dielectric 1	Prepreg	3313 RC57% 4.2mil	0.0994	4.1	0.02
In1.Cu	Copper	-	0.0152	-	-
Dielectric 2	Core	0.55mm H/H without copper	0.55	4.41	0.02
In2.Cu	Copper	-	0.0152	-	-
Dielectric 3	Prepreg	2116 RC54% 4.9mil	0.1888	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	-	-	-

1	
2	
3	3rd Layer
4	
5	
6	
7	
8	
9	
10	

### PCB AREA



### BEVELING



### PTH DRILLMAP

Drill Map:

- \* 0.200mm / 0.0079" (211 holes)
- 0.250mm / 0.0098" (124 holes)
- + 0.300mm / 0.0118" (157 holes)
- 0.400mm / 0.0157" (16 holes)
- ◊ 0.600mm / 0.0236" (0 holes + 4 slots)
- ☒ 2.200mm / 0.0866" (2 holes)

### NPTH DRILLMAP

Drill Map:

- ✗ 0.650mm / 0.0256" (2 holes) (not plated)



Board Name: <b>PDNode-600</b>	Project Name: <b>PDCard-4242</b>
Date: PDNode-PDCard-4242.kicad_pcb	Revision: Variant: Pro
Sheet Title: Company: Designer: Reviewer:	Size: Sheet: <b>A3</b> <b>1 of 1</b>