

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

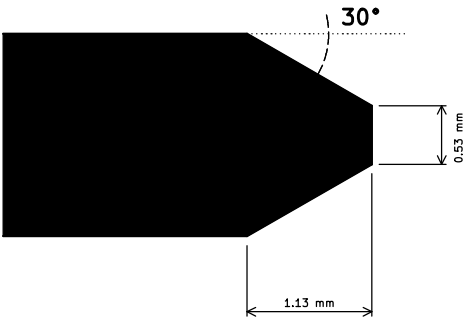
Electrical Test: Flying Probe Fully Test

LAYER STACKUP

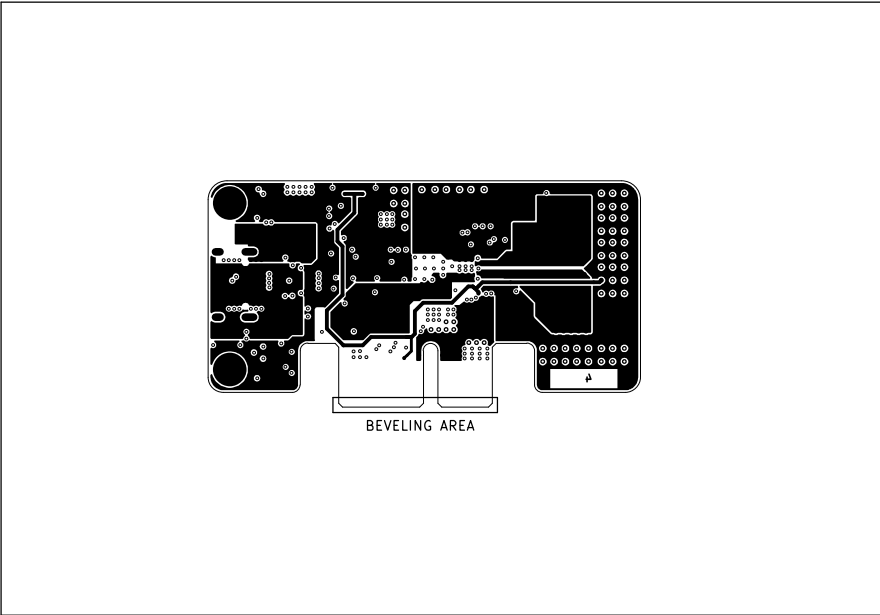
| Name | Type | Material | Thickness mm | Er | LossTg |
|--------------|-------------|---------------------------|--------------|------|--------|
| F.Silkscreen | Top Silk | Direct Printing White | - | - | - |
| F.Paste | Paste | - | - | - | - |
| F.Mask | Solder Mask | Solder Resist Green | 0.01 | 3.8 | 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 | 0.1088 | 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 | - | - | - |

| | |
|----|-----------|
| 1 | |
| 2 | |
| 3 | |
| 4 | 4th Layer |
| 5 | |
| 6 | |
| 7 | |
| 8 | |
| 9 | |
| 10 | |

BEVELING



PCB AREA




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)

| | | | | |
|--|--|---------------------------------------|-------------------------------------|--------------------------------|
|  Date: Sheet Title: | Board Name: PDNode-600 | | Project Name: PDCard-4242 | |
| | File Name: PDNode-PDCard-4242.kicad_pcb | | Revision: | Variant: Pro |
| | Company: | Designer: David Sipos Reviewer: | Size: A3 | Sheet: 1 of 1 |