

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

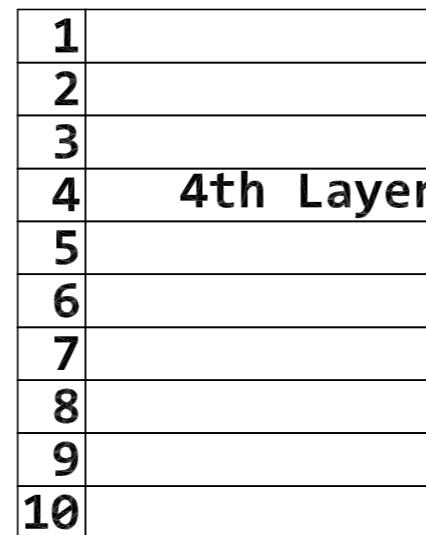
Min Via Hole: 0.2 mm
 Via Pad / Finished Diameter: 0.4 mm
 Castellated Holes: No
 Edge Plating: No
 Blind Slot: No
 Press-Fit Hole: No
 Countersink Hole: No
 Backdrill: No

QUALITY & TEST

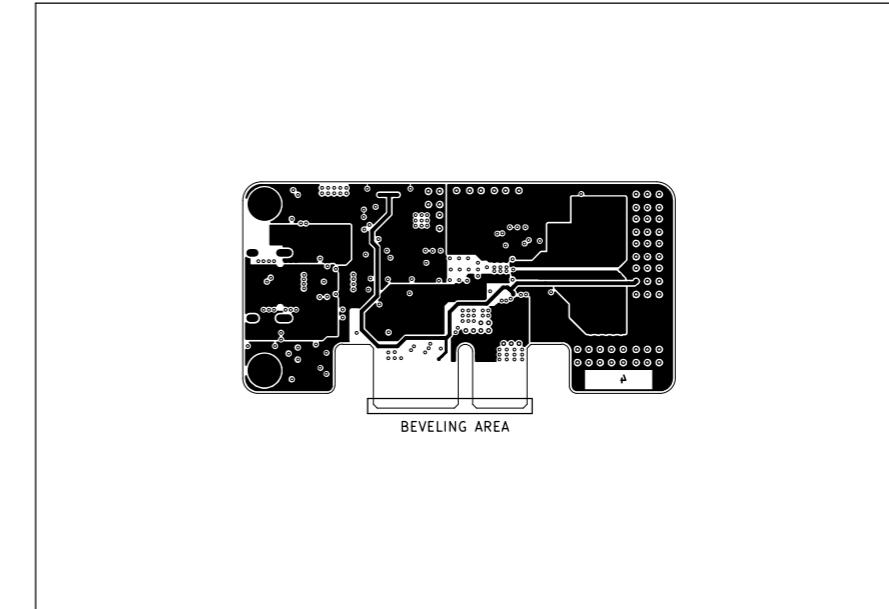
Electrical Test: Flying Probe Fully Test

LAYER STACKUP

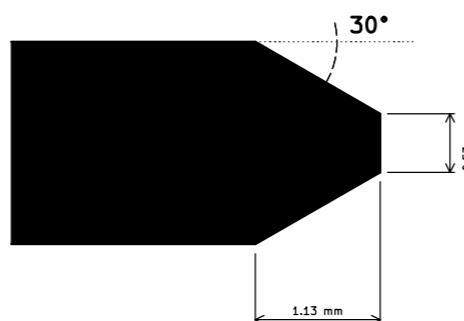
| Name | Type | Material | Thickness mm | Er | LossTg |
|--------------|-------------|---------------------------|--------------|------|--------|
| F.Silkscreen | Top Silk | Direct Printing White | - | - | - |
| F.Paste | Paste | - | - | - | - |
| F.Mask | Solder Mask | Solder Resist Green | 0.01 | 3.8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



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