

版本V5.0

A

B

C

D

E

F

Board Name:1156165_K1_DVP_BORD_v1_1Board Thickness:1.60 mm+/-10%

Edadoc Code:1156165Layers:08Panel Mode: 1x1

Silkscreen Color:☒White☐Yellow☐Black☐XXXX

Soldermask Color:☒Green☐Blue☐Red☐Black☐XXXX

Surface Finished☒Immersion Gold(ENIG)☐HASL(Pb-Free)☐HASL(Sn/Pb)☐OSP☐ImAg☐ImSn☐XXXX☐Golden Finger,Others HASL(Pb-Free)☐Golden Finger,Others ENIG☐Golden Finger,Others HASL(Sn/Pb)☐Golden Finger,Others OSP

Dielectric Material:☒FR-4☐Other

Tg:☐Default☐Mid-Tg 150°C☒Hi-Tg 170°C☐XXXX

Compare With IPC File:☒Yes☐No

Short Net NO. [XX]Short Net Name: xxxxx

1--Gerber TOP

2--GROUND PLANE02

3--Gerber LAYER03

4--Gerber LAYER04

5--POWER PLANE05

6--Gerber LAYER06

7--GROUND PLANE07

8--Gerber BOTTOM

| | Layer Stack up | Type | Thickness (mil) |
|---------|----------------|------|--------------------|
| | Silk Top | | Default |
| | Solder Top | | |
| TOP | | | 1.2(1/3oz+plating) |
| PERPREG | | PP | 2.7 |
| GND02 | | | 1.2(1.0oz) |
| CORE | | CORE | 3 |
| ART03 | | | 1.2(1.0oz) |
| PERPREG | | PP | 18 |
| ART04 | | | 1.2(1.0oz) |
| CORE | | CORE | 5.12 |
| POWER05 | | | 1.2(1.0oz) |
| PERPREG | | PP | 18 |
| ART06 | | | 1.2(1.0oz) |
| CORE | | CORE | 3 |
| GND07 | | | 1.2(1.0oz) |
| PERPREG | | PP | 2.7 |
| BOTTOM | | | 1.2(1/3oz+plating) |
| | Solder Bot | | |
| | Silk Bot | | Default |

| Single Impedance | Layer | Trace Width(mil) | Tolerance | Frequency(MHZ) | Remark |
|------------------|-------|------------------|-----------|----------------|--------|
| 50.0 ohm | 1,8 | 4.5 | +/-5 ohm | Default | |
| 50.0 ohm | 3,6 | 3.6 | +/-5 ohm | Default | |
| 45.0 ohm | 1 | 5.4 | +/-5 ohm | Default | |
| 45.0 ohm | 6 | 4.6 | +/-5 ohm | Default | |

| Diff Impedance | Layer | Trace W/S(mil) | Tolerance | Frequency(MHZ) | Remark |
|----------------|-------|----------------|-----------|----------------|--------|
| 90.0 ohm | 1,8 | 4.2/4.6 | +/-10% | Default | |
| 90.0 ohm | 3,6 | 3.5/6.5 | +/-10% | Default | |
| 100.0 ohm | 1,8 | 3.49/5.31 | +/-10% | Default | |
| 100.0 ohm | 3,6 | 3.0/8.0 | +/-10% | Default | |
| 85.0 ohm | 1,8 | 4.6/4.2 | +/-10% | Default | |
| 85.0 ohm | 6 | 3.9/6.1 | +/-10% | Default | |

1156165-K1_DVP_BOARD_V1_1 DRILL CHART

Notes2:版本V5.2

- All drill size is finished plated hole size
- Thru VIAS Filled With NON-CONDUCTIVE Epoxy and Plate OVER.(POFV)
- CAUTION:Gerber files and IPC-D-356A file must be compared and confirmed that they are consistent
- Drill hole(belongs to Through hole Symbol)diameter $\leq 28\text{mil}$ process as pressfit hole,Drill tolerance $\pm 2.00\text{mil}$ [$\pm 0.05\text{mm}$](except via)
- Drill tolerance $\pm 2.00\text{mil}$ [$\pm 0.05\text{mm}$] for connector[16mil , 20mil , 22mil , 24mil , 26mil , 28mil ,]hole
- This board must be used Lead-Free
- OBLONG VIAS:20

Notes3: 版本V5.1

- If Panel layer is not consistent with Outline layer,Please confirm with EQ.

ART FILM - Dimension