

PCB Specification

NMK-0001A

Draft (Not Approved for Production)

General

Name

Ntimer Rev. 1

Base Material

Rigid

Laminate or Material

FR4

Layer Count

4

Layer Buildup

Standard (not specified)

Surface Finish

Ni/Au (ENIG)

Copper Final Outer Thickness

35µm (1OZ)

Copper Final Inner Thickness

18µm (1/2OZ)

PCB End Thickness (mm)

1,55

PCB Thickness Tolerance (%)

10.0%

Line 1: ESO {Supplier Number}/{Week}/{Year} Line 2: {ESO Article Number} If you do not have your Supplier Number please request it.

ESO PCB Marking in Solder Mask

✓

ESO Item Number 910-*

XOut Allowed

✓

Yes (X-Out allowed on maximum 10% of panels. Defective circuits must be clearly identified by crossing them on both sides. Cover all fiducials for the defective boards by black marker pen or similar. All Panels with x-outs to be packed separately.)

Panel Information

Panel Connection

None (single PCB)

If yes 10mm frame is added on each side

PCB in Panel X

1

No of Middle Frame X

0

No of Middle Frame Y

0

PCB in Panel Y

1

Width of Middle Frame X

0

Width of Middle Frame Y

0

PCB Dimensions

PCB Size X (mm)

100

Panel Size X (mm)

100

Panel surface

0.01227 m²

PCB Size Y (mm)

122,75

Panel Size Y (mm)

122,75

Soldermask, Via Cover and Legend

Soldermask on Sides

Both

Must meet requirements of standard IPC SM840 Class H

Soldermask Color

Black

IPC 471 Via Cover

Legend on Sides

Both

Legend Color

White

PCB Specification

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No tenting, plugging or filling

Fiducials

Number of Panel Fiducials

0

Number of PCB Fiducials

3

Standards

IPC A 600

Class 2

EU RoHS Compliant

✓

UL 94 V0 Approval

✓

UL 94 V0 approval required. Please specify UL certificate number, type and maximum operating temperature in your quotation and order confirmation.

Testing and Packaging

Electrical Testing

✓

Fixture of Flying Probe test required

Packaged in ESD compliant plastic shrink or heat wrapped

✓

ESD protective material (Surface Resistivity, between 1x10(5) and 1x10(12) Ohm/sq. and Static Decay Rate less than 2 seconds). The packing has to resist crude transport and handling without being punctured.

Humidity Control

✓

Humidity indicator label wit a moisture indicating 30% RH, 40% RH, and 50% RH and Desiccant (silica gel) meeting J-STD 033B requirements in every package.

Special Instructions