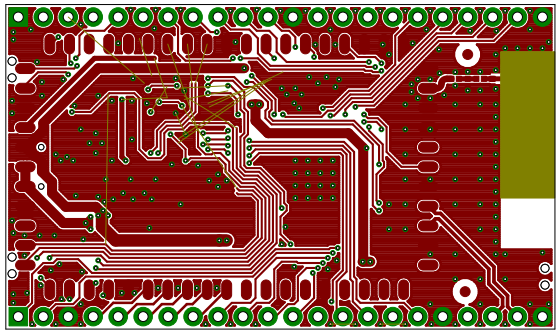


LAYER-STACK

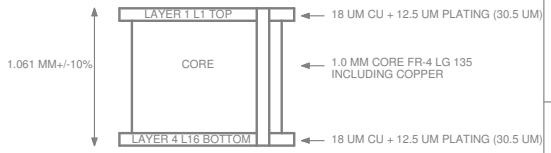
DRILL CHART: TOP TO BOTTOM

| Sym | N° | Mils | MM | Qty | Plated |
|---|---|---|---|---|---|
| + | 1 | 12 | 0.30 | 306 | YES |
| × | 2 | 22 | 0.55 | 2 | NOT |
| ◻ | 3 | 31 | 0.80 | 6 | NOT |
| ◇ | 4 | 40 | 1.02 | 44 | YES |

LINE WIDTH IMPEDANCE CHART FOR REFERENCE

| | | | | |
|---|---|---|---|---|
| Class | RF | Type | Coated Coplanar Waveguide With Ground 1B | |
| Layer | Impedance | Trace Width | Trace Separation | Ground Separation |
| TOP, BOTTOM | 50 Ohms | 26 mils | N/A | 6 mils |
| Class | USB | Type | Diff Coated Coplanar Waveguide With Ground 1B | |
| Layer | Impedance | Trace Width | Trace Separation | Ground Separation |
| TOP, BOTTOM | 90 Ohms | 14.5 mils | 6 mils | 6 mils |
| Class | Ethernet | Type | Diff Coated Coplanar Waveguide With Ground 1B | |
| Layer | Impedance | Trace Width | Trace Separation | Ground Separation |
| TOP, BOTTOM | 100 Ohms | 10 mils | 6 mils | 6 mils |

STACK-UP FOR REFERENCE




NOTES:

1. PRINTED CIRCUIT BOARD MADE FROM NEMA GRADE FR-4 TG 135 EPOXY LAMINATE WITH 18 UM COPPER PLATING AND 1 MM THICKNESS.

2. ALL DIMENSIONS ARE GIVEN IN MILLIMETERS EXCEPT TRACE WIDTH/SPACE.

3. CIRCUIT PATHS ARE FOR REFERENCE ONLY.

4. HOLE SIZES SHOWN ARE FINISHED DIAMETERS AFTER PLATING.

5. BOARD PLATED USING REFLOW OR SIMILAR METHOD.

6. BOARD TO HAVE WHITE SOLDER MASK ON PLATED SURFACES USING WET FILM SR100 OR SR1010 EPOXY.
EQUIVALENT WET OR DRY FILM MAY BE USED.

7. SILKSCREEN BOARD USING BLACK INK. DISTORTION OF SILKSCREEN IS ACCEPTABLE OVER TRACES. EPOXY INK ON PLATED LANDS IS NOT ACCEPTABLE

8. THE FOLLOWING INFORMATION APPLIES TO THIS BOARD:

* 2 COPPER LAYERS
* 1 MM BOARD THICKNESS
* REQUIRES TOP AND BOTTOM SIDE SILKSCREENS

DOMINO Qi
WIFI 4 THINGS

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Domino Qi Mini

not saved!

Component Side (.CMP)

Rev. A