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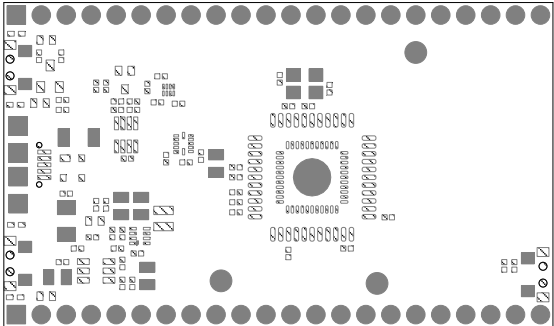
A

B

C

D

LAYER-STACK



DRILL CHART: TOP TO BOTTOM

Sym	N°	Mils	MM	Qty	Plated
+	1	12	0.30	330	YES
×	2	15	0.38	1	YES
□	3	22	0.55	2	NOT
◇	4	31	0.80	6	NOT
⊗	5	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	14 mils	N/A		

Class	USB	Type	Diff Coated Coplanar Waveguide With Ground 1B		
Layer	Impedance	Trace Width	Trace Separation	Ground Separation	
TOP, BOTTOM	90 Ohms	11 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	8 mils	6 mils	6 mils	

STACK-UP FOR REFERENCE

↑

↓

1.00 MM +/- 10%

LAYER 1 L1 TOP

PREPREG

LAYER 2 L2 GND

CORE

LAYER 3 L15 GND

PREPREG

LAYER 4 L16 BOTTOM

← 18 UM CU + 18 UM PLATING (35 UM)

← 0.132 MM PREPREG FR-4

← 35 UM COPPER

← 0.6 MM CORE FR-4 LG 135 INC. COP.

← 35 UM COPPER

← 0.132 MM PREPREG FR-4

← 18 UM CU + 18 UM PLATING (35 UM)

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:

\* 4 COPPER LAYERS

\* 1 MM BOARD THICKNESS

\* REQUIRES TOP AND BOTTOM SIDE SILKSCREENS

DOMINO Qi

WIFI 4 THINGS

CC

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Domino Qi Mini

28/04/15 22:50

Solder stop mask SOL (.STS)

Rev. E

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