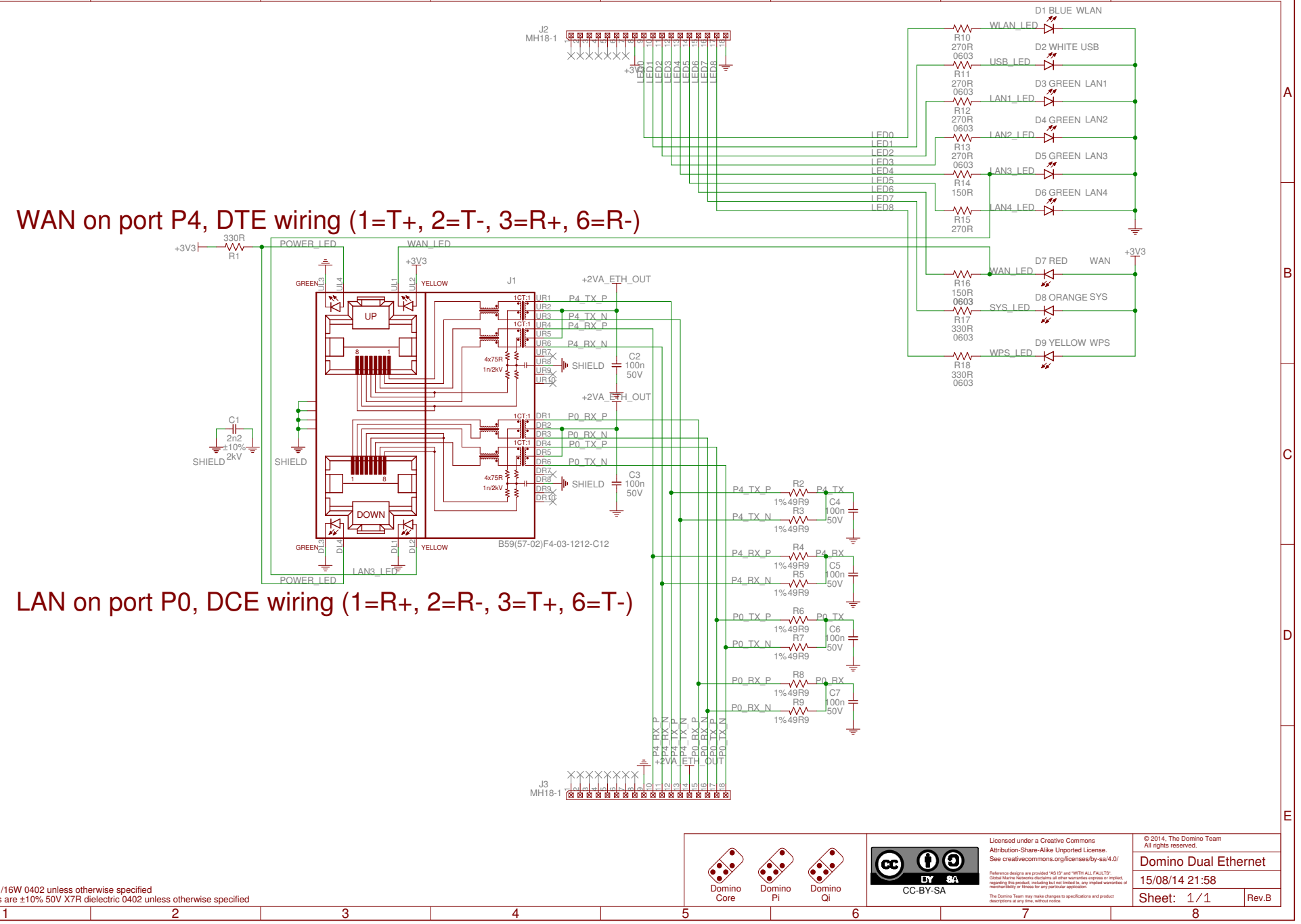


Resistors are 5% 1/16W 0402 unless otherwise specified
Ceramic capacitors are ±10% 50V X7R dielectric 0402 unless otherwise specified

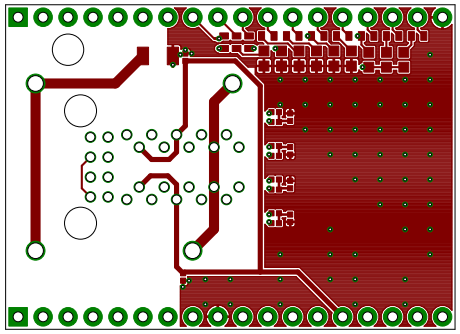
Domino Core
Domino Pi
Domino Qi

Domino Dual Ethernet
15/08/14 21:58
Sheet: 1/1
Rev.B

LAYER-STACK

DRILL CHART: TOP TO BOTTOM

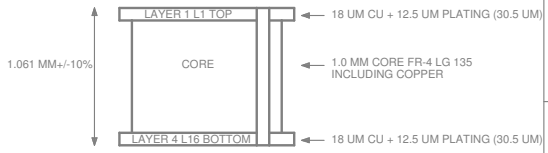
Sym	N°	Mils	MM	Qty	Plated
+	1	12	0.30	72	YES
×	2	35	0.90	28	YES
◳	3	40	1.02	36	YES
◇	4	63	1.60	4	YES
⧖	5	126	3.20	1	NOT
⋈	6	128	3.25	2	NOT



LINE WIDTH IMPEDANCE CHART FOR REFERENCE

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:

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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 Core

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Domino Dual Ethernet

15/08/14 22:26

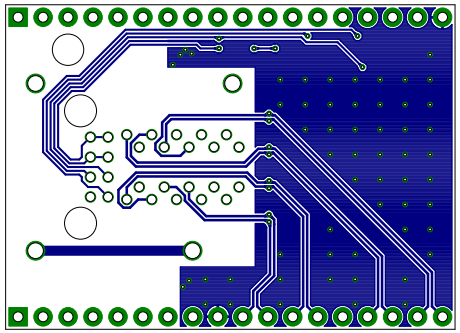
Component Side (.CMP)

Rev. B

LAYER-STACK

DRILL CHART: TOP TO BOTTOM

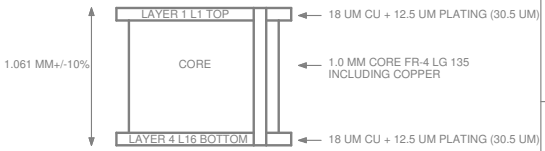
Sym	N°	Mils	MM	Qty	Plated
+	1	12	0.30	72	YES
×	2	35	0.90	28	YES
◳	3	40	1.02	36	YES
◇	4	63	1.60	4	YES
⧖	5	126	3.20	1	NOT
⋈	6	128	3.25	2	NOT



LINE WIDTH IMPEDANCE CHART FOR REFERENCE

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



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Domino Core

Domino Pi

Domino Qi

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Domino Dual Ethernet

15/08/14 22:26

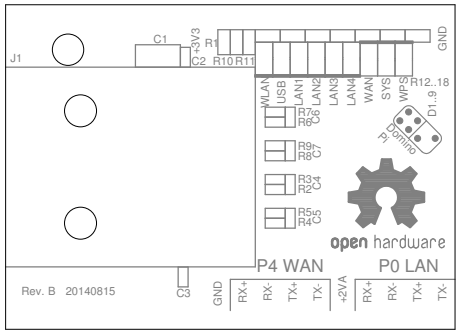
Solder side (.SOL)

Rev. B

LAYER-STACK

DRILL CHART: TOP TO BOTTOM

Sym	N°	Mils	MM	Qty	Plated
+	1	12	0.30	72	YES
×	2	35	0.90	28	YES
◳	3	40	1.02	36	YES
◇	4	63	1.60	4	YES
⧖	5	126	3.20	1	NOT
⋈	6	128	3.25	2	NOT



LINE WIDTH IMPEDANCE CHART FOR REFERENCE

Class	Ethernet	Type	Diff Coated Coplanar Waveguide With Ground 1B	
Layer	Impedance	Trace Width	Trace Separation	Ground Separation
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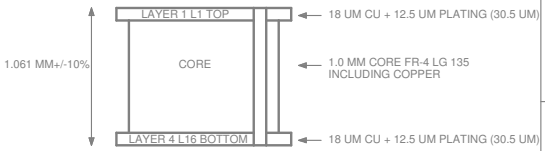
STACK-UP FOR REFERENCE



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Domino Core

Domino Pi

Domino Qi

Domino Dual Ethernet

15/08/14 22:26

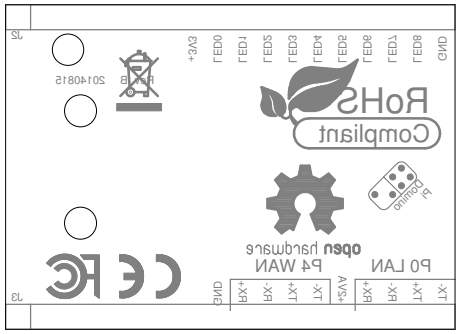
Silk screen CMP (.PLC)

Rev. B

LAYER-STACK

DRILL CHART: TOP TO BOTTOM

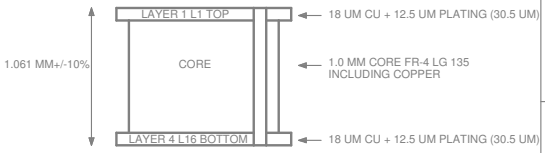
Sym	N°	Mils	MM	Qty	Plated
+	1	12	0.30	72	YES
×	2	35	0.90	28	YES
◳	3	40	1.02	36	YES
◇	4	63	1.60	4	YES
⧖	5	126	3.20	1	NOT
⋈	6	128	3.25	2	NOT



LINE WIDTH IMPEDANCE CHART FOR REFERENCE

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



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Domino Core
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15/08/14 22:26

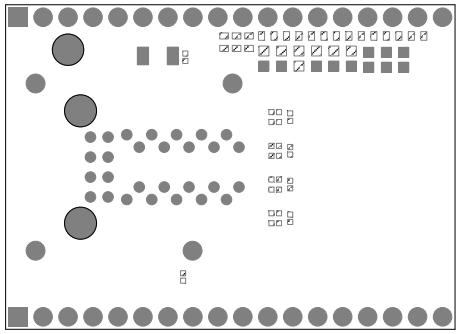
Silk screen SOL (.PLS)

Rev. B

LAYER-STACK

DRILL CHART: TOP TO BOTTOM

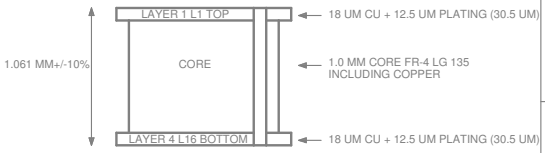
Sym	N°	Mils	MM	Qty	Plated
+	1	12	0.30	72	YES
×	2	35	0.90	28	YES
◳	3	40	1.02	36	YES
◇	4	63	1.60	4	YES
⧖	5	126	3.20	1	NOT
⋈	6	128	3.25	2	NOT



LINE WIDTH IMPEDANCE CHART FOR REFERENCE

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



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15/08/14 22:26

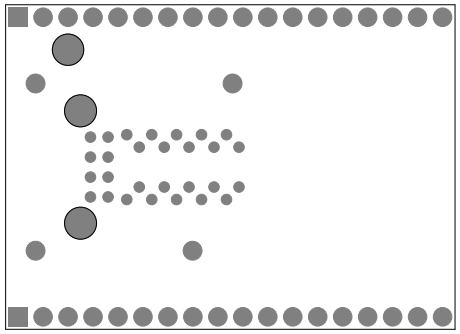
Solder stop mask CMP (.STC)

Rev. B

LAYER-STACK

DRILL CHART: TOP TO BOTTOM

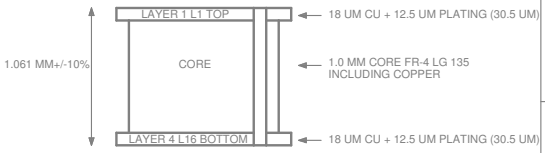
Sym	N°	Mils	MM	Qty	Plated
+	1	12	0.30	72	YES
×	2	35	0.90	28	YES
◳	3	40	1.02	36	YES
◇	4	63	1.60	4	YES
⧖	5	126	3.20	1	NOT
⋈	6	128	3.25	2	NOT



LINE WIDTH IMPEDANCE CHART FOR REFERENCE

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



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Domino Core

Domino Pi

Domino Qi

Domino Dual Ethernet

15/08/14 22:26

Solder stop mask SOL (.STS)

Rev. B

LAYER-STACK

DRILL CHART: TOP TO BOTTOM

Sym	N°	Mils	MM	Qty	Plated
+	1	12	0.30	72	YES
×	2	35	0.90	28	YES
◳	3	40	1.02	36	YES
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⧖	5	126	3.20	1	NOT
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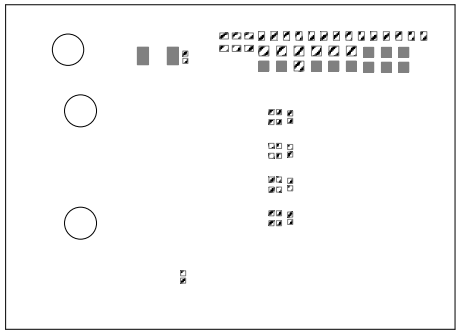
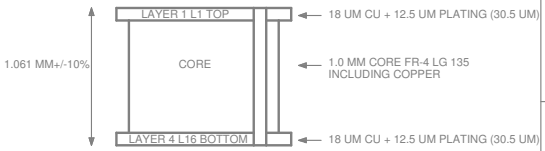


LINE WIDTH IMPEDANCE CHART FOR REFERENCE

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



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Domino Core

Domino Pi

Domino Qi

Domino Dual Ethernet

15/08/14 22:26

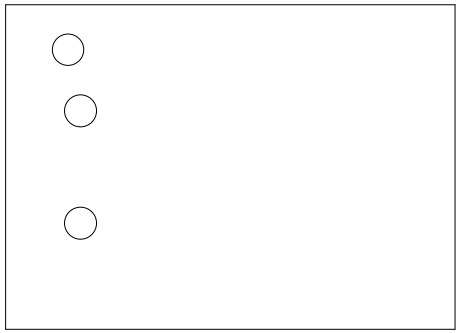
Cream frame CMP (.CRC)

Rev. B

LAYER-STACK

DRILL CHART: TOP TO BOTTOM

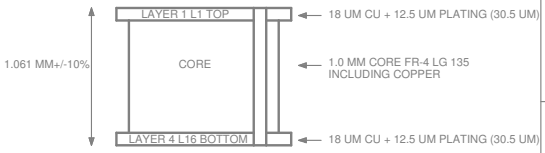
Sym	N°	Mils	MM	Qty	Plated
+	1	12	0.30	72	YES
×	2	35	0.90	28	YES
◳	3	40	1.02	36	YES
◇	4	63	1.60	4	YES
⧖	5	126	3.20	1	NOT
⋈	6	128	3.25	2	NOT



LINE WIDTH IMPEDANCE CHART FOR REFERENCE

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



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Domino Core

Domino Pi

Domino Qi

Domino Dual Ethernet

15/08/14 22:26

Cream frame SOL (.CRS)

Rev. B

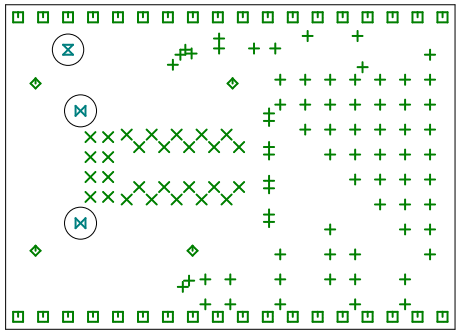
DRILL CHART: TOP TO BOTTOM

LAYER-STACK

01-16

01-20

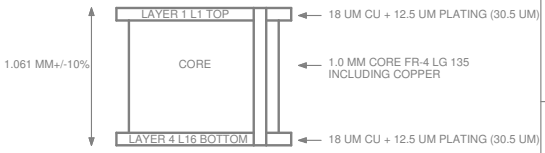
Sym	N°	Mils	MM	Qty	Plated
+	1	12	0.30	72	YES
×	2	35	0.90	28	YES
◳	3	40	1.02	36	YES
◇	4	63	1.60	4	YES
⧖	5	126	3.20	1	NOT
⋈	6	128	3.25	2	NOT



LINE WIDTH IMPEDANCE CHART FOR REFERENCE

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



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Domino Core

Domino Pi

Domino Qi

Domino Dual Ethernet

15/08/14 22:26

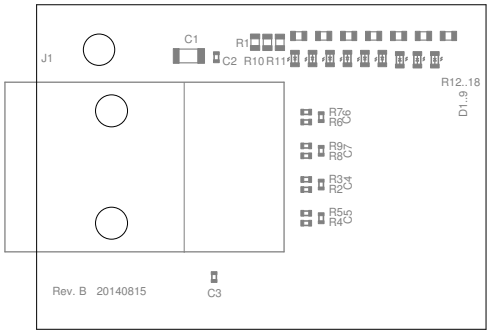
Drill data (.DRD)

Rev. B

LAYER-STACK

DRILL CHART: TOP TO BOTTOM

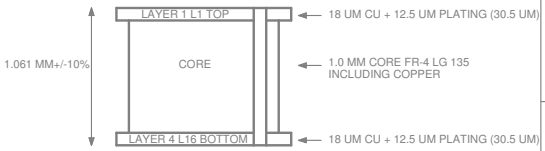
Sym	N°	Mils	MM	Qty	Plated
+	1	12	0.30	72	YES
×	2	35	0.90	28	YES
◳	3	40	1.02	36	YES
◇	4	63	1.60	4	YES
⧖	5	126	3.20	1	NOT
⋈	6	128	3.25	2	NOT



LINE WIDTH IMPEDANCE CHART FOR REFERENCE

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.
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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:
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Domino Qi

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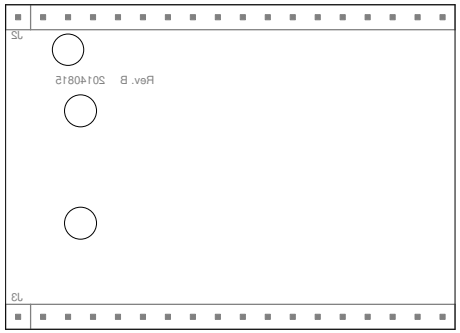
Component Assembly CMP (.ASC) | Rev. B

LAYER-STACK

DRILL CHART: TOP TO BOTTOM

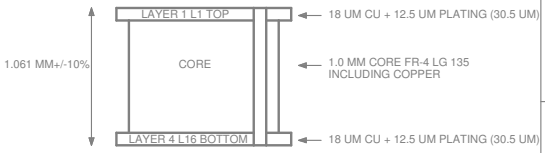
Sym	N°	Mils	MM	Qty	Plated
+	1	12	0.30	72	YES
×	2	35	0.90	28	YES
◳	3	40	1.02	36	YES
◇	4	63	1.60	4	YES
⧖	5	126	3.20	1	NOT
⋈	6	128	3.25	2	NOT



LINE WIDTH IMPEDANCE CHART FOR REFERENCE

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



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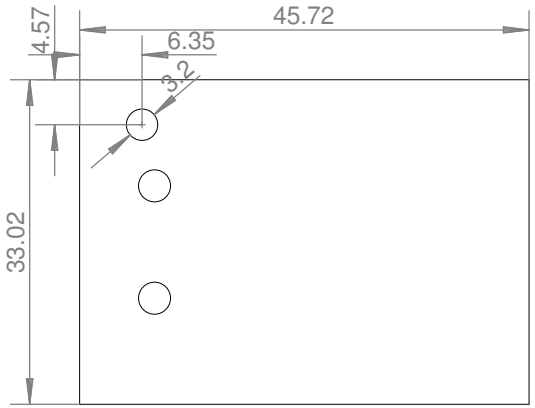
Component Assembly SOL (.ASS) | Rev. B

LAYER-STACK

DRILL CHART: TOP TO BOTTOM

Sym	N°	Mils	MM	Qty	Plated
+	1	12	0.30	72	YES
×	2	35	0.90	28	YES
◳	3	40	1.02	36	YES
◇	4	63	1.60	4	YES
⧖	5	126	3.20	1	NOT
⋈	6	128	3.25	2	NOT



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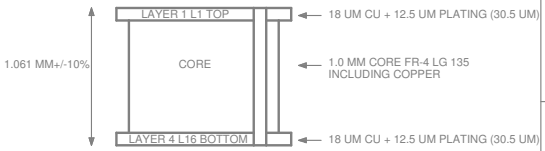

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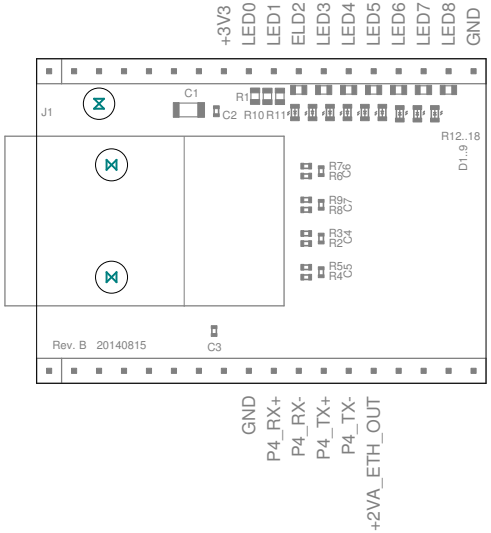
Outline (.OLN) | Rev. B

DRILL CHART: TOP TO BOTTOM

LAYER-STACK

01-20

Sym	N°	Mils	MM	Qty	Plated
+	1	12	0.30	72	YES
×	2	35	0.90	28	YES
◳	3	40	1.02	36	YES
◇	4	63	1.60	4	YES
⧖	5	126	3.20	1	NOT
⋈	6	128	3.25	2	NOT



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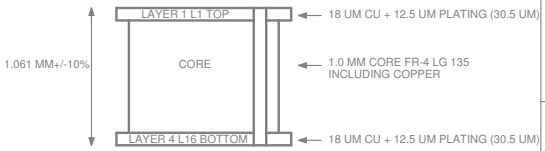

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Domino Qi

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Pinout (.PIN)

Rev. B

Domino Dual Ethernet Rev. B

Item	Qty	Value	Manufacturer	Device	Package	Reference	Description	Remarks
1	1	2n2	ANY	C1210_2n2_X7R_10%_CER_2kV	C1206	C1	CAP CER 2200PF 1KV 10% X7R 1210	
2	6	100n	ANY	C0402_100n_X7R_10%_CER_50V	C0402	C2, C3, C4, C5, C6, C7	CAP CER 0.1UF 50V 10% X7R 0402	
3	1	BLUE	ANY	LED0603-BLUE	LED0603	D1	LED BLUE CLEAR 0603 SMD	
4	1	WHITE	ANY	LED0603-WHITE	LED0603	D2	LED WHITE CLEAR 0603 SMD	
5	4	GREEN	ANY	LED0603-GREEN	LED0603	D3, D4, D5, D6	LED GREEN CLEAR 0603 SMD	
6	1	RED	ANY	LED0603-ORANGE	LED0603	D7	LED ORANGE CLEAR 0603 SMD	
7	1	ORANGE	ANY	LED0603-ORANGE	LED0603	D8	LED ORANGE CLEAR 0603 SMD	
8	1	YELLOW	ANY	LED0603-YELLOW	LED0603	D9	LED YELLOW CLEAR 0603 SMD	
9	1	B59(57-02)F4-03-1212-C12	BROADTOP ELECTRONIC	B59(57-02)F4-03-1212-C12	B59(57-02)F4-03-1212-C12	J1	CONN MAGJACK 2PORT 100 BASE-T	
10	2	MH18-1	ANY	MH18-1-0.1	MH18-1-0.1	J2, J3	CONN HEADER VERT .100 1ROW 18POS 8.08 HEAD 3.05 TAIL 15AU	
11	3	330R	ANY	R0603_330R_5%_125mW	R0603	R1, R17, R18	RES 330 OHM 1/8W 5% 0603 SMD	
12	5	270R	ANY	R0603_270R_5%_125mW	R0603	R10, R11, R12, R13, R15	RES 270 OHM 1/8W 5% 0603 SMD	
13	2	150R	ANY	R0603_150R_5%_125mW	R0603	R14, R16	RES 150 OHM 1/8W 5% 0603 SMD	
14	8	49R9	ANY	R0402_49R9_1%_62.5mW	R0402	R2, R3, R4, R5, R6, R7, R8, R9	RES 49.9 OHM 1/16W 1% 0402 SMD	