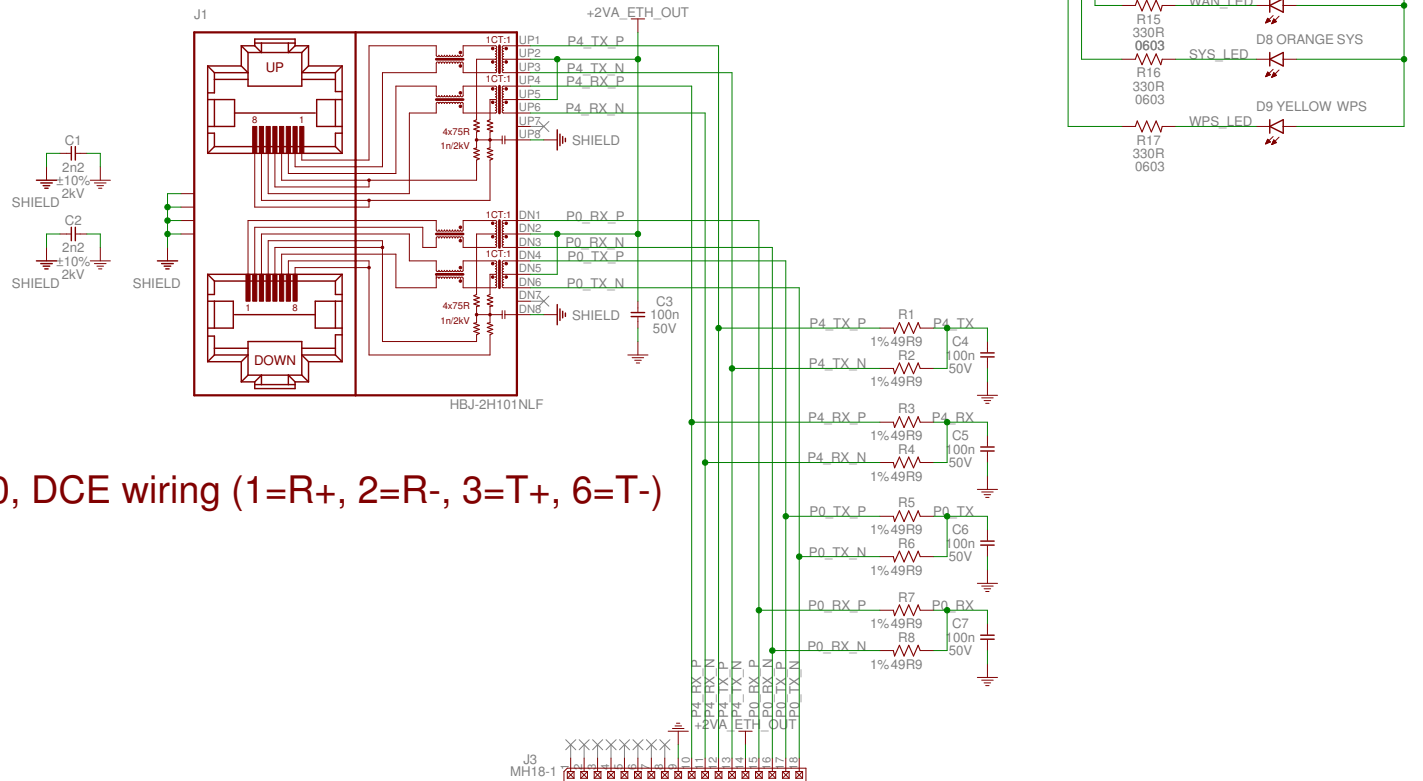


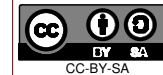
WAN on port P4, DTE wiring (1=T+, 2=T-, 3=R+, 6=R-)

LAN on port P0, DCE wiring (1=R+, 2=R-, 3=T+, 6=T-)



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

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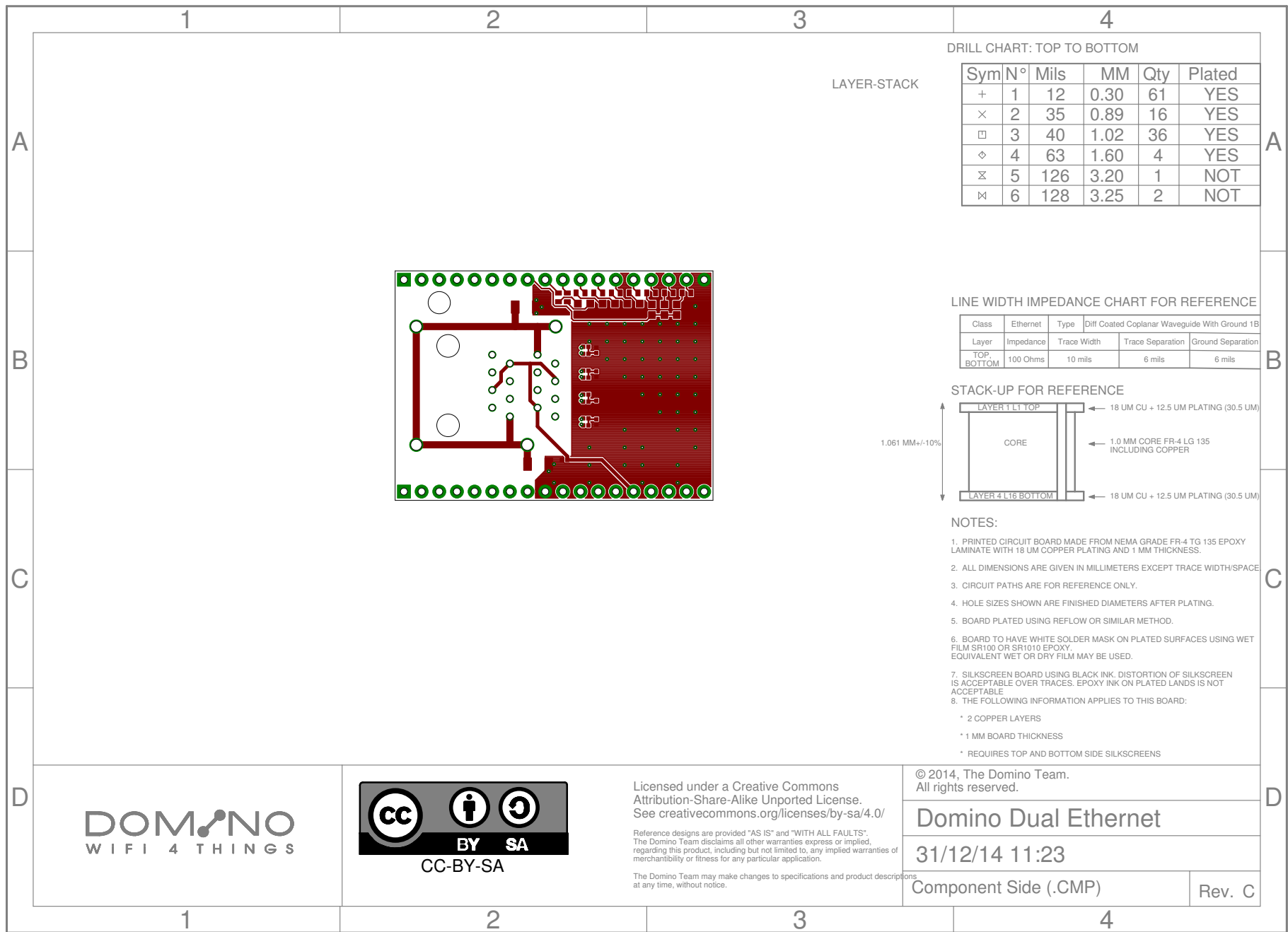
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Domino Dual Ethernet

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Sheet: 1/1

Rev.C



LAYER-STACK

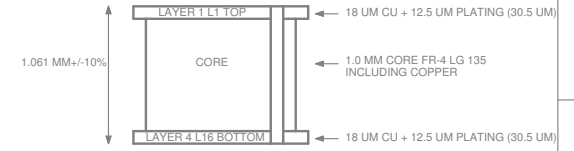
DRILL CHART: TOP TO BOTTOM

Sym	N°	Mils	MM	Qty	Plated
+	1	12	0.30	61	YES
×	2	35	0.89	16	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

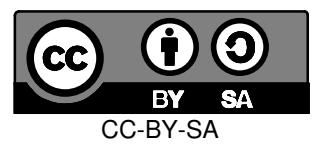
STACK-UP FOR REFERENCE



NOTES:

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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.
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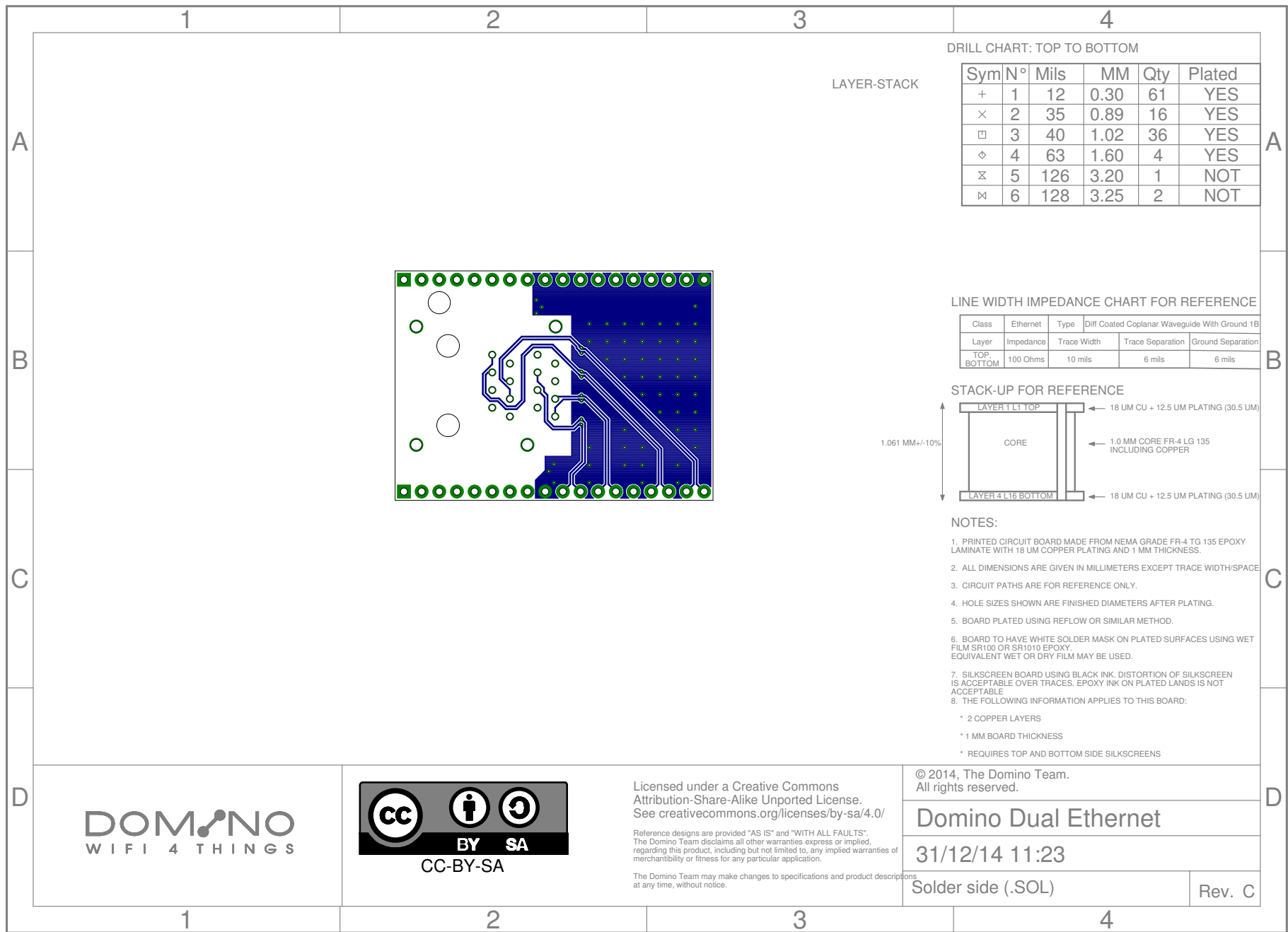
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Domino Dual Ethernet

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Component Side (.CMP)

Rev. C



LAYER-STACK

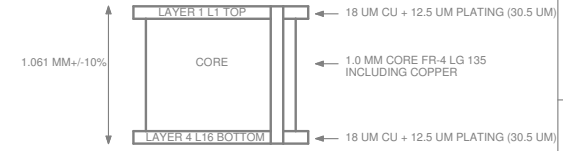
DRILL CHART: TOP TO BOTTOM

Sym	N°	Mils	MM	Qty	Plated
+	1	12	0.30	61	YES
×	2	35	0.89	16	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

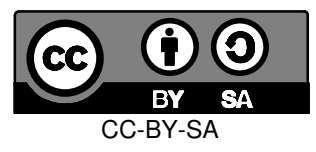
STACK-UP FOR REFERENCE



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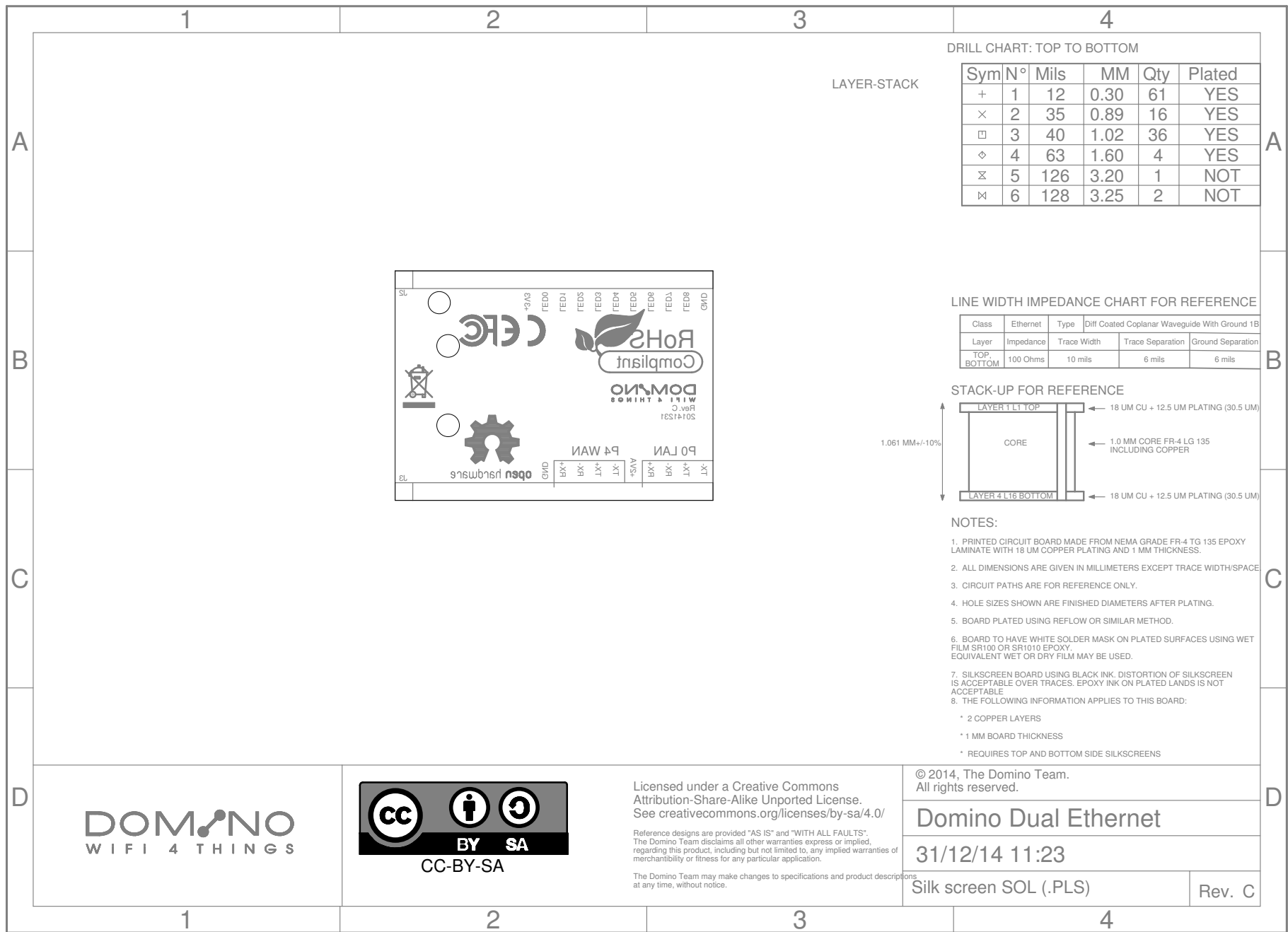
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Solder side (.SOL)

Rev. C





LAYER-STACK

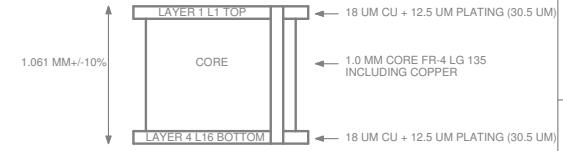
DRILL CHART: TOP TO BOTTOM

Sym	N°	Mils	MM	Qty	Plated
+	1	12	0.30	61	YES
×	2	35	0.89	16	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

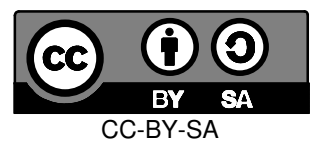
STACK-UP FOR REFERENCE



NOTES:

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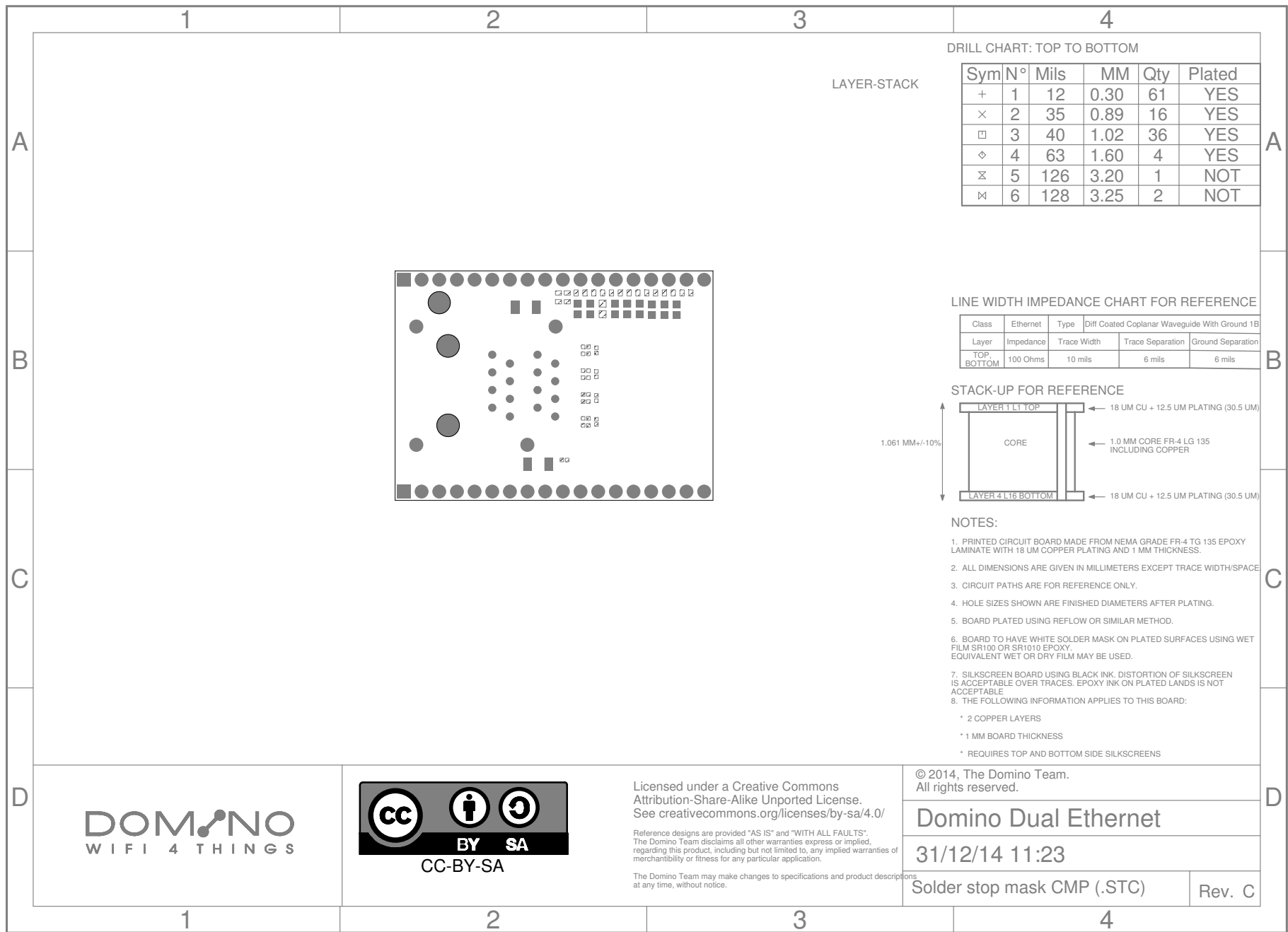
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Silk screen SOL (.PLS)

Rev. C



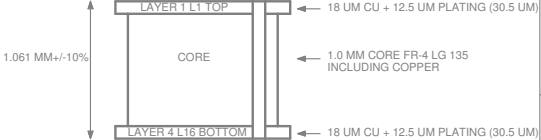
DRILL CHART: TOP TO BOTTOM

Sym	N°	Mils	MM	Qty	Plated
+	1	12	0.30	61	YES
×	2	35	0.89	16	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 16 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.
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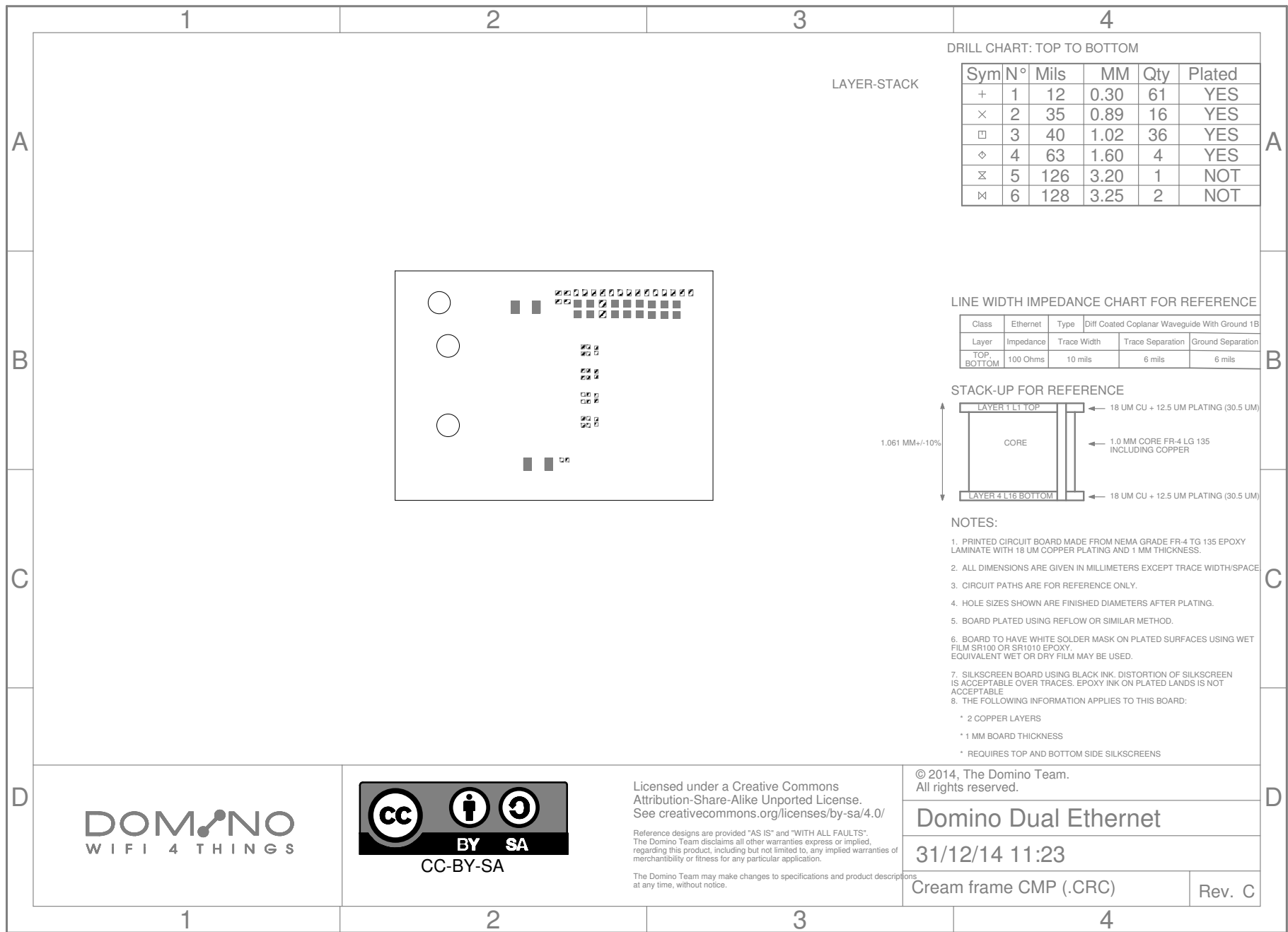
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Solder stop mask CMP (.STC)

Rev. C



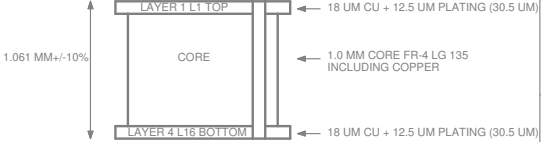
DRILL CHART: TOP TO BOTTOM

Sym	N°	Mils	MM	Qty	Plated
+	1	12	0.30	61	YES
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◇	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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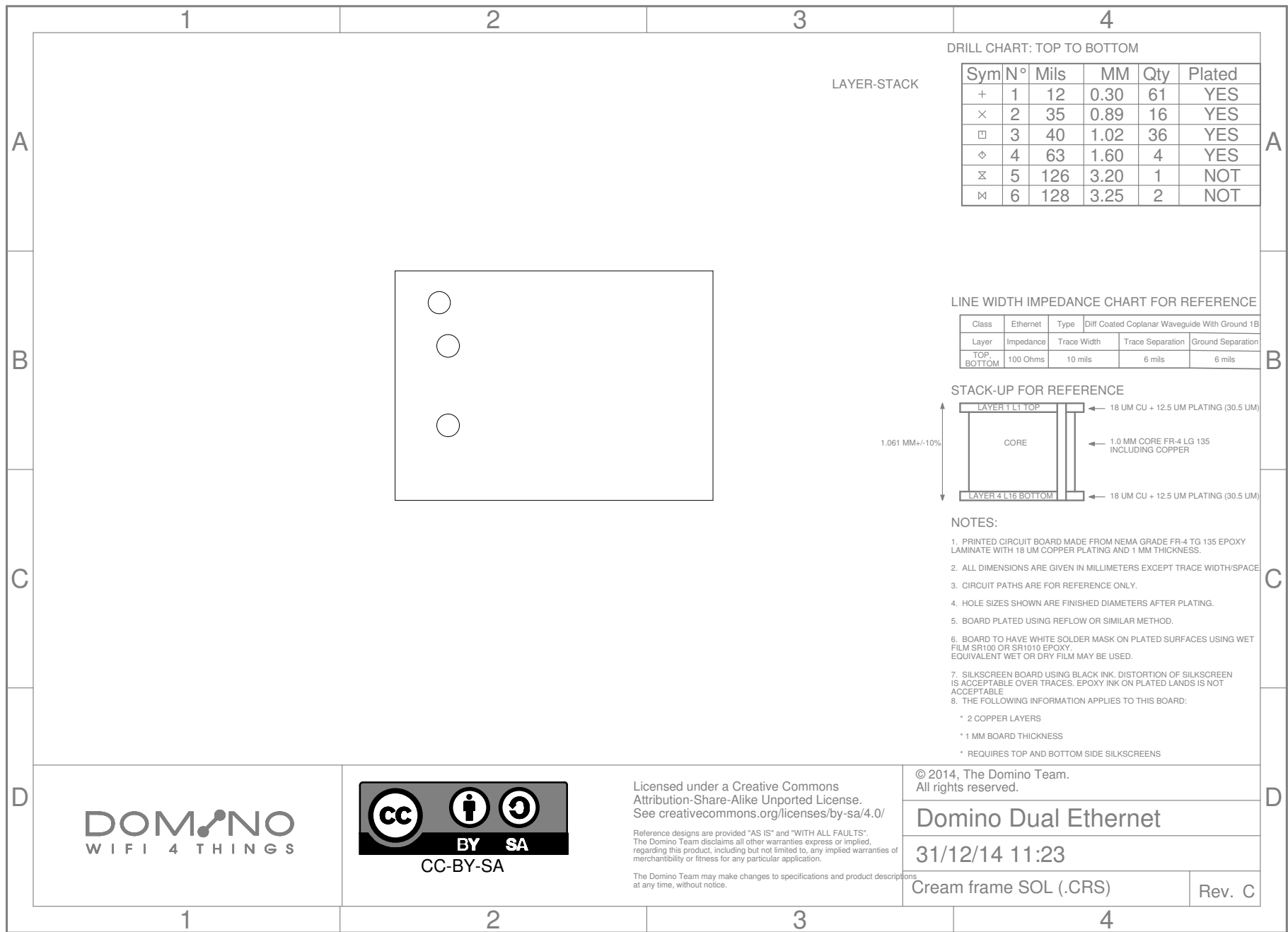
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Cream frame CMP (.CRC)

Rev. C



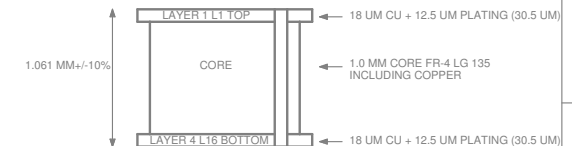
DRILL CHART: TOP TO BOTTOM

Sym	N°	Mils	MM	Qty	Plated
+	1	12	0.30	61	YES
×	2	35	0.89	16	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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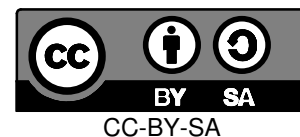
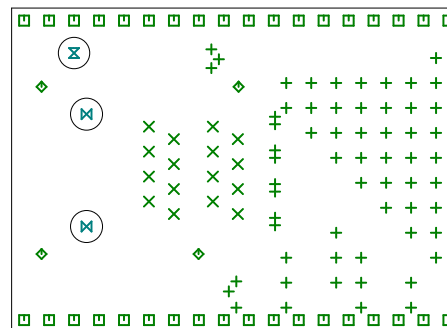
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Options	Drill data (.DRD)
---------	-------------------

Rev. C



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×	2	35	0.89	16	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

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

1.061 MM +/-10%

LAYER 1 LT TOP

18 UM CU + 12.5 UM PLATING (30.5 UM)

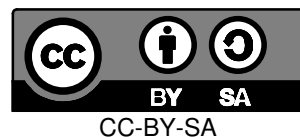
CORE

1.0MM CORE FR-4 LG 135 INCLUDING COPPER

LAYER 4 LT BOTTOM

18 UM CU + 12.5 UM PLATING (30.5 UM)

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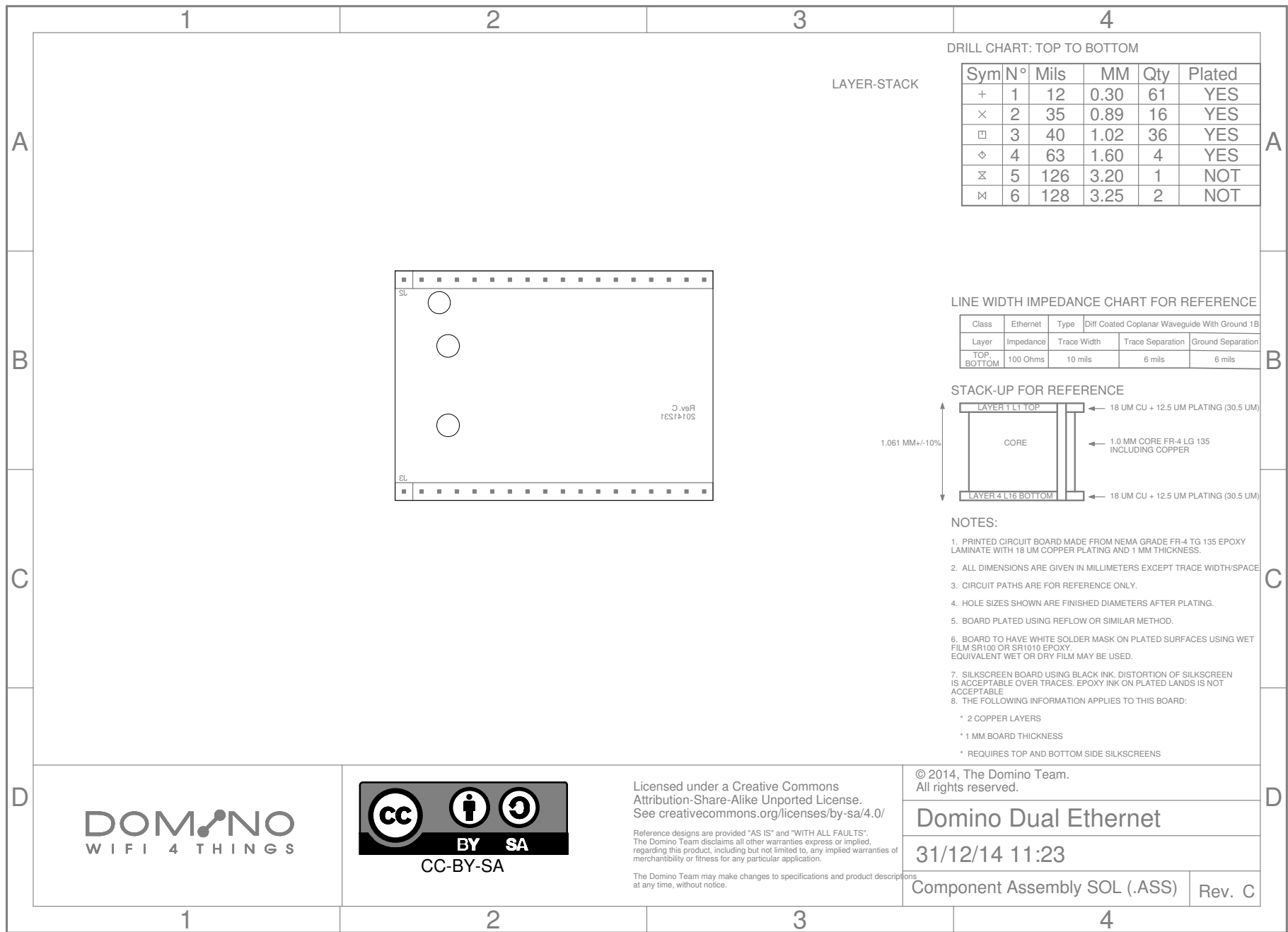
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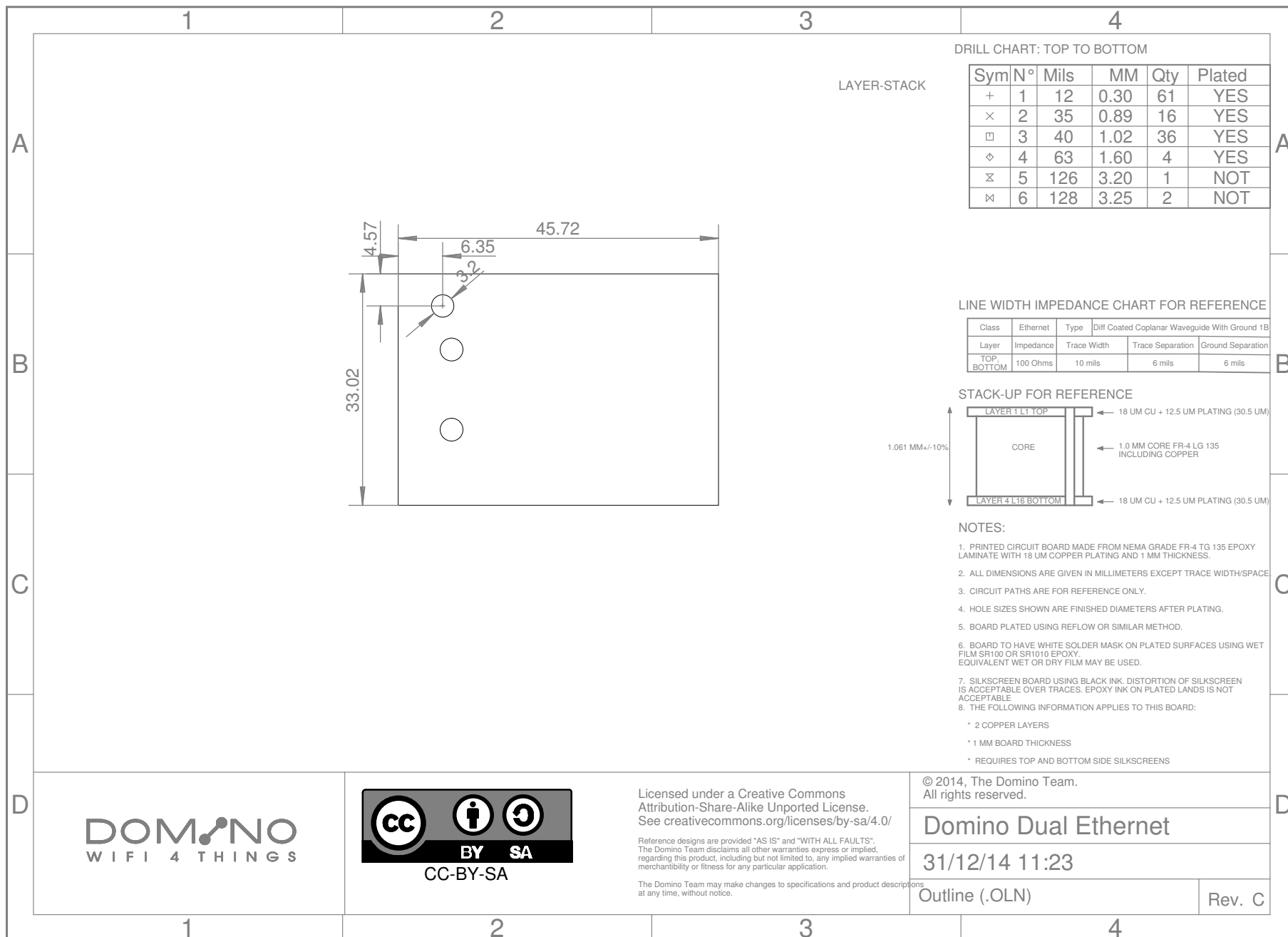
Domino Dual Ethernet

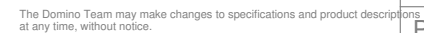
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Component Assembly CMP (.ASC)

Rev. C







Domino Dual Ethernet Rev. C

Item	Qty	Value	Manufacturer	Device	Package	Reference	Description	Remarks
1	2	2n2	ANY	C1210_2n2_X7R_10%_CER_2kV	C1206	C1, C2	CAP CER 2200PF 1KV 10% X7R 1210	
2	5	100n	ANY	C0402_100n_X7R_10%_CER_50V	C0402	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	HBJ-2H101NLF	SHEZHEN HUILY ELECTRONICS	HBJ-2H101NLF	HBJ-2H101NLF	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	8	49R9	ANY	R0402_49R9_1%_62.5mW	R0402	R1, R2, R3, R4, R5, R6, R7, R8	RES 49.9 OHM 1/16W 1% 0402 SMD	
12	3	330R	ANY	R0603_330R_5%_125mW	R0603	R15, R16, R17	RES 330 OHM 1/8W 5% 0603 SMD	
13	6	270R	ANY	R0603_270R_5%_125mW	R0603	R9, R10, R11, R12, R13, R14	RES 270 OHM 1/8W 5% 0603 SMD	