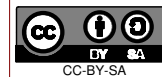


Resistors are 5% 1/16W 0402 unless otherwise specified  
Ceramic capacitors are ±10% 50V X7R dielectric 0402 unless otherwise specified

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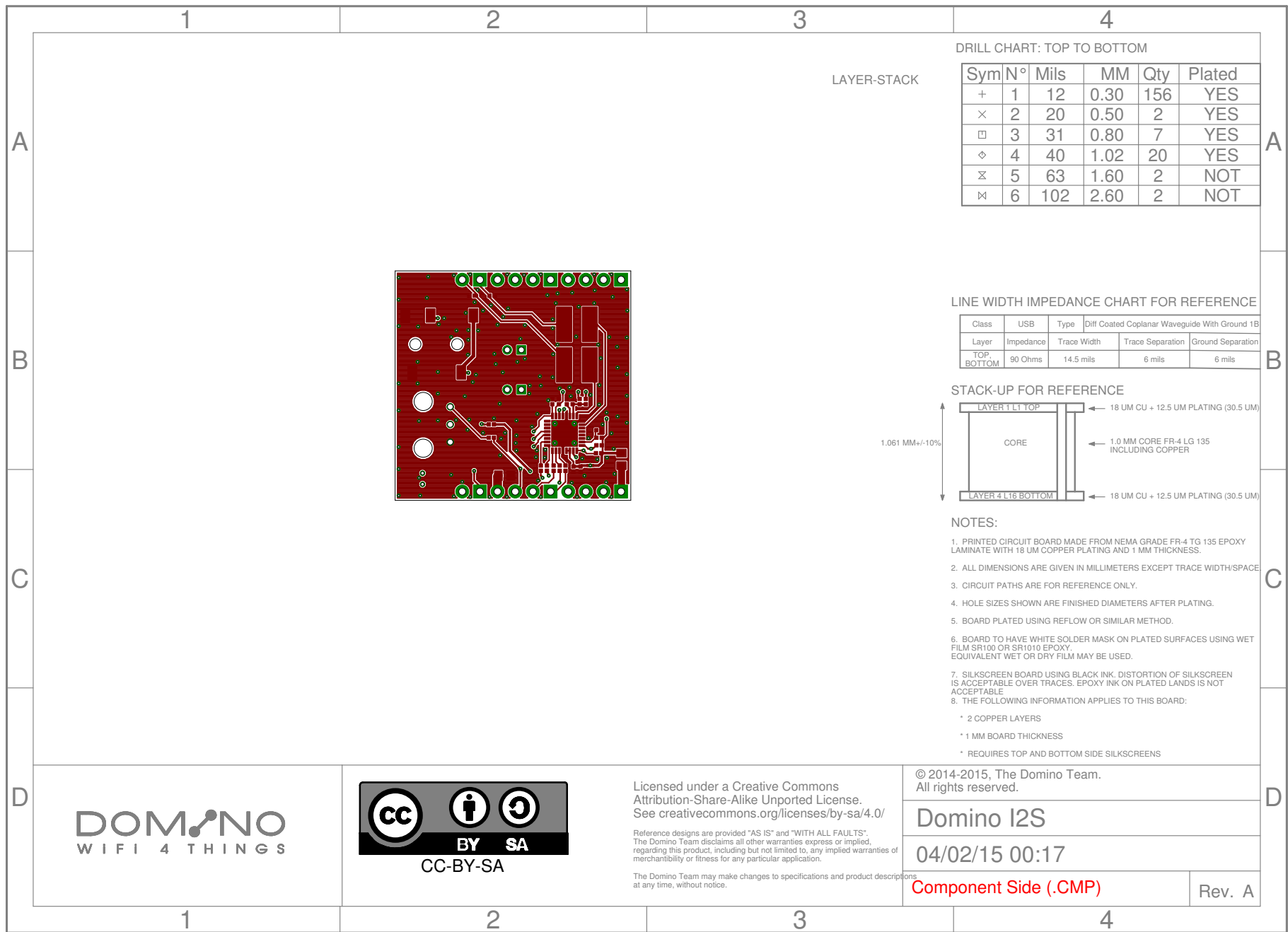
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**Domino I2S**

04/02/15 00:12

Sheet: 1/1

Rev.A



LAYER-STACK

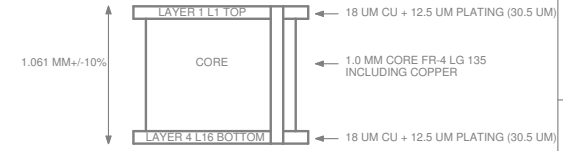
DRILL CHART: TOP TO BOTTOM

Sym	N°	Mils	MM	Qty	Plated
+	1	12	0.30	156	YES
×	2	20	0.50	2	YES
□	3	31	0.80	7	YES
◇	4	40	1.02	20	YES
⊗	5	63	1.60	2	NOT
⊠	6	102	2.60	2	NOT

LINE WIDTH IMPEDANCE CHART FOR REFERENCE

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	

STACK-UP FOR REFERENCE

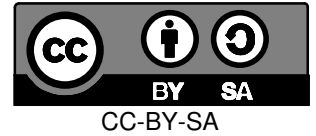


NOTES:

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

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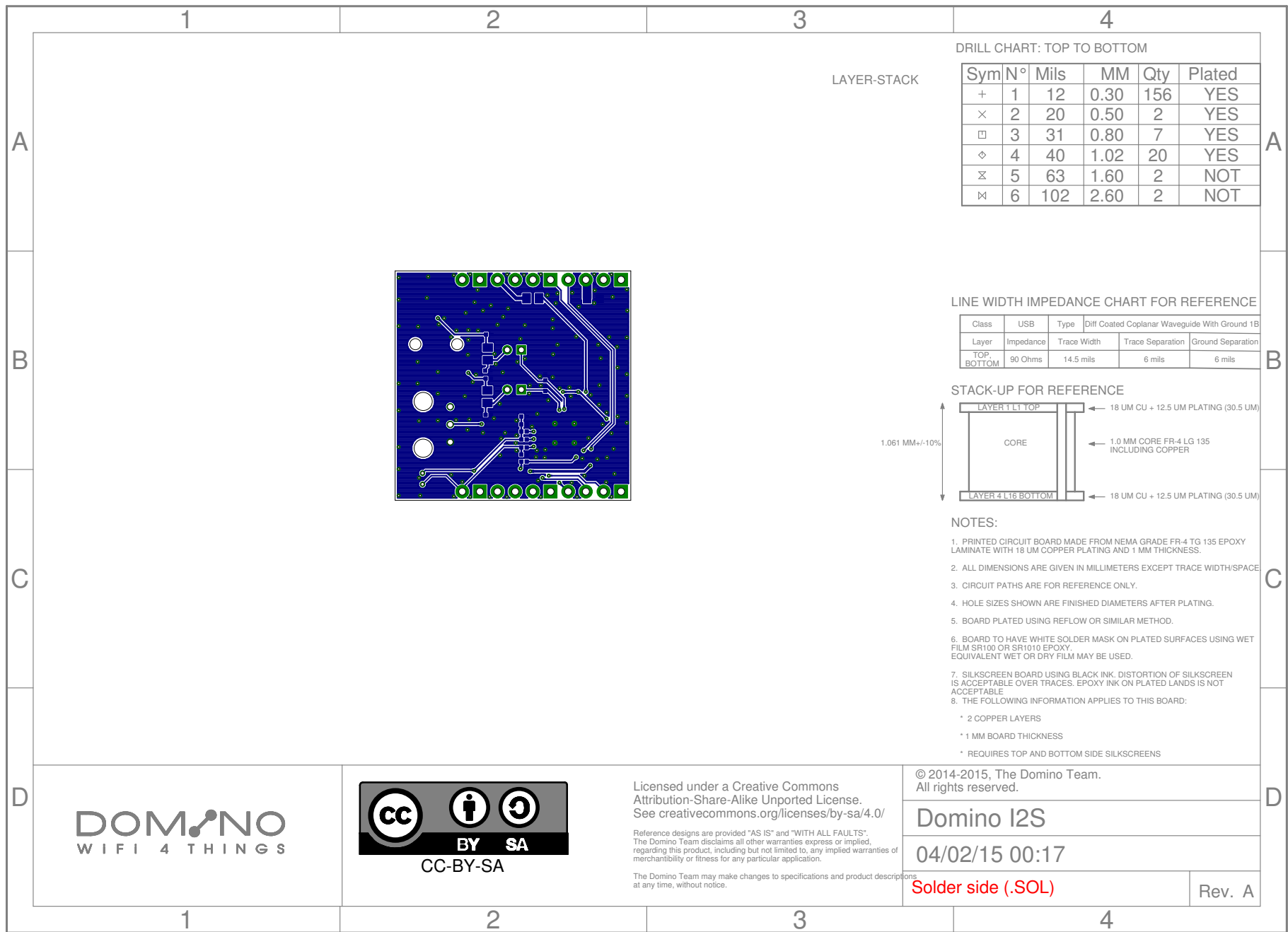
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Domino I2S

04/02/15 00:17

Component Side (.CMP)

Rev. A



LAYER-STACK

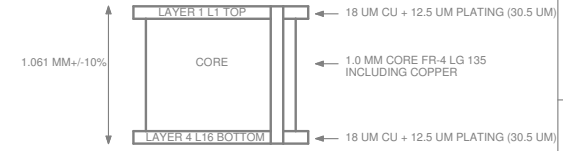
DRILL CHART: TOP TO BOTTOM

Sym	N°	Mils	MM	Qty	Plated
+	1	12	0.30	156	YES
×	2	20	0.50	2	YES
□	3	31	0.80	7	YES
◇	4	40	1.02	20	YES
⊗	5	63	1.60	2	NOT
⊗	6	102	2.60	2	NOT

LINE WIDTH IMPEDANCE CHART FOR REFERENCE

Class	USB	Type	Diff Coated Coplanar Waveguide With Ground 1B
Layer	Impedance	Trace Width	Trace Separation
TOP, BOTTOM	90 Ohms	14.5 mils	6 mils

STACK-UP FOR REFERENCE

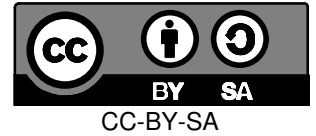


NOTES:

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

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04/02/15 00:17

Solder side (.SOL)

Rev. A

1234

A

LAYER-STACK

DRILL CHART: TOP TO BOTTOM

Sym	N°	Mils	MM	Qty	Plated
+	1	12	0.30	156	YES
×	2	20	0.50	2	YES
□	3	31	0.80	7	YES
◇	4	40	1.02	20	YES
⊗	5	63	1.60	2	NOT
⊠	6	102	2.60	2	NOT

B

HEADPHONE

C15

C14

U3

J7

L1

L2

EC1

EC2

C16

R16

U1

R13

R19

R18

R14

R17

R15

R12

R11

R10

R9

R8

R7

R6

R5

R4

R3

R2

R1

C13

C12

C11

C10

C9

C8

C7

C6

C5

C4

C3

C2

C1

J6

J5

J4

J3

J2

J1

FB6

U2

U4

U5

U6

U7

U8

U9

U10

U11

U12

U13

U14

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U86

U87

U88

U89

U90

U91

U92

U93

U94

U95

U96

U97

U98

U99

U100

C

STACK-UP FOR REFERENCE

1.061 MM±/-10%

LAYER 1 L1 TOP

18 UM CU + 12.5 UM PLATING (30.5 UM)

CORE

1.0 MM CORE FR-4 LG 135 INCLUDING COPPER

LAYER 4 L16 BOTTOM

18 UM CU + 12.5 UM PLATING (30.5 UM)

D

DOMINO

WIFI 4 THINGS

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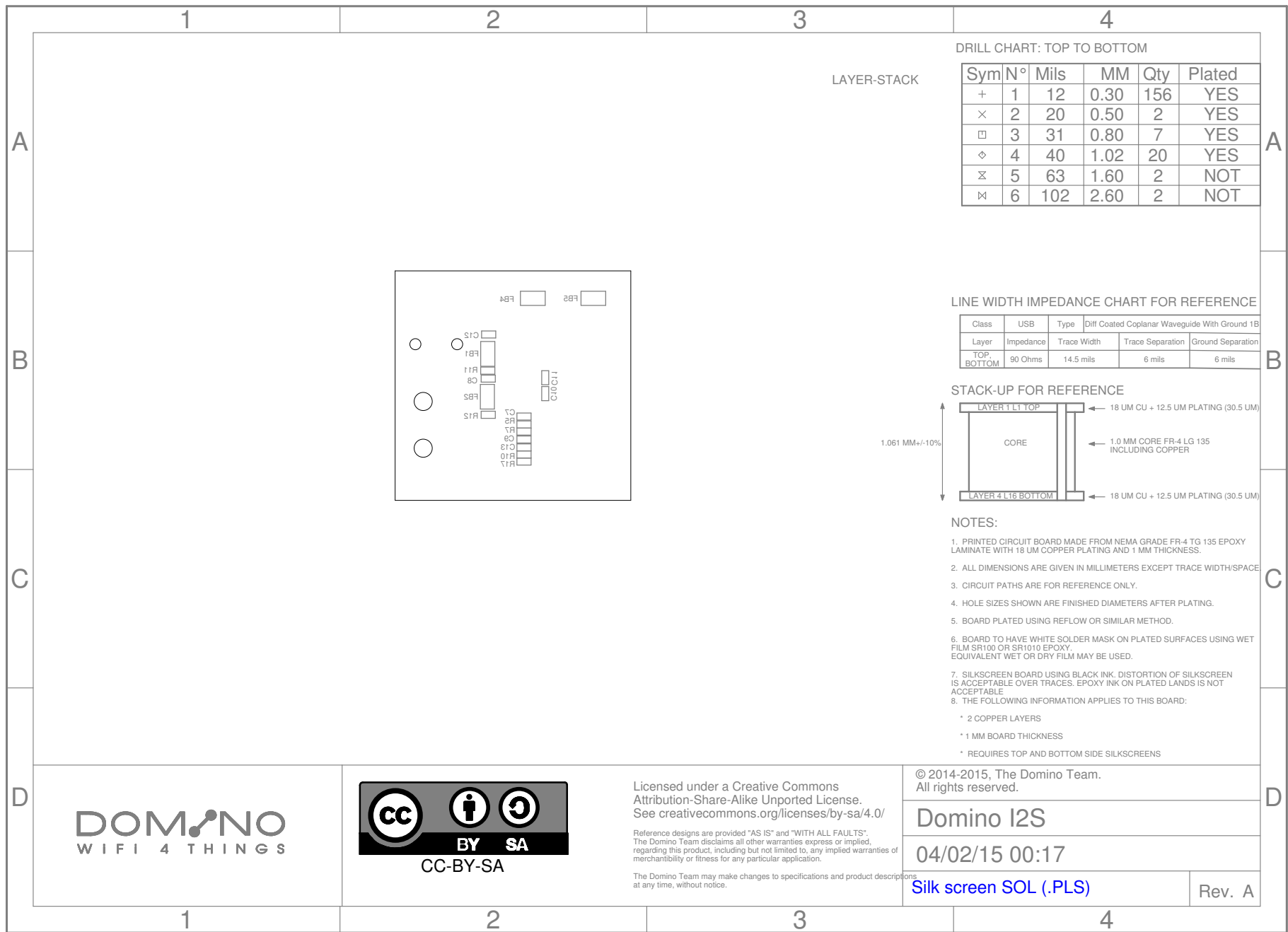
Domino I2S

04/02/15 00:17

Silk screen CMP (.PLC)

Rev. A

1234



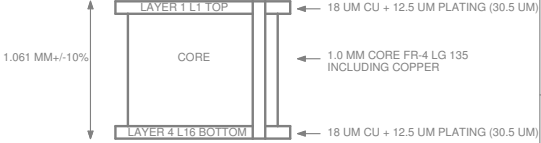
DRILL CHART: TOP TO BOTTOM

Sym	N°	Mils	MM	Qty	Plated
+	1	12	0.30	156	YES
×	2	20	0.50	2	YES
□	3	31	0.80	7	YES
◇	4	40	1.02	20	YES
⊗	5	63	1.60	2	NOT
⊗	6	102	2.60	2	NOT

LINE WIDTH IMPEDANCE CHART FOR REFERENCE

Class	USB	Type	Diff Coated Coplanar Waveguide With Ground 1B
Layer	Impedance	Trace Width	Trace Separation
TOP, BOTTOM	90 Ohms	14.5 mils	6 mils

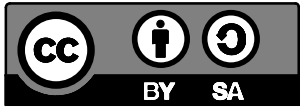
STACK-UP FOR REFERENCE



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

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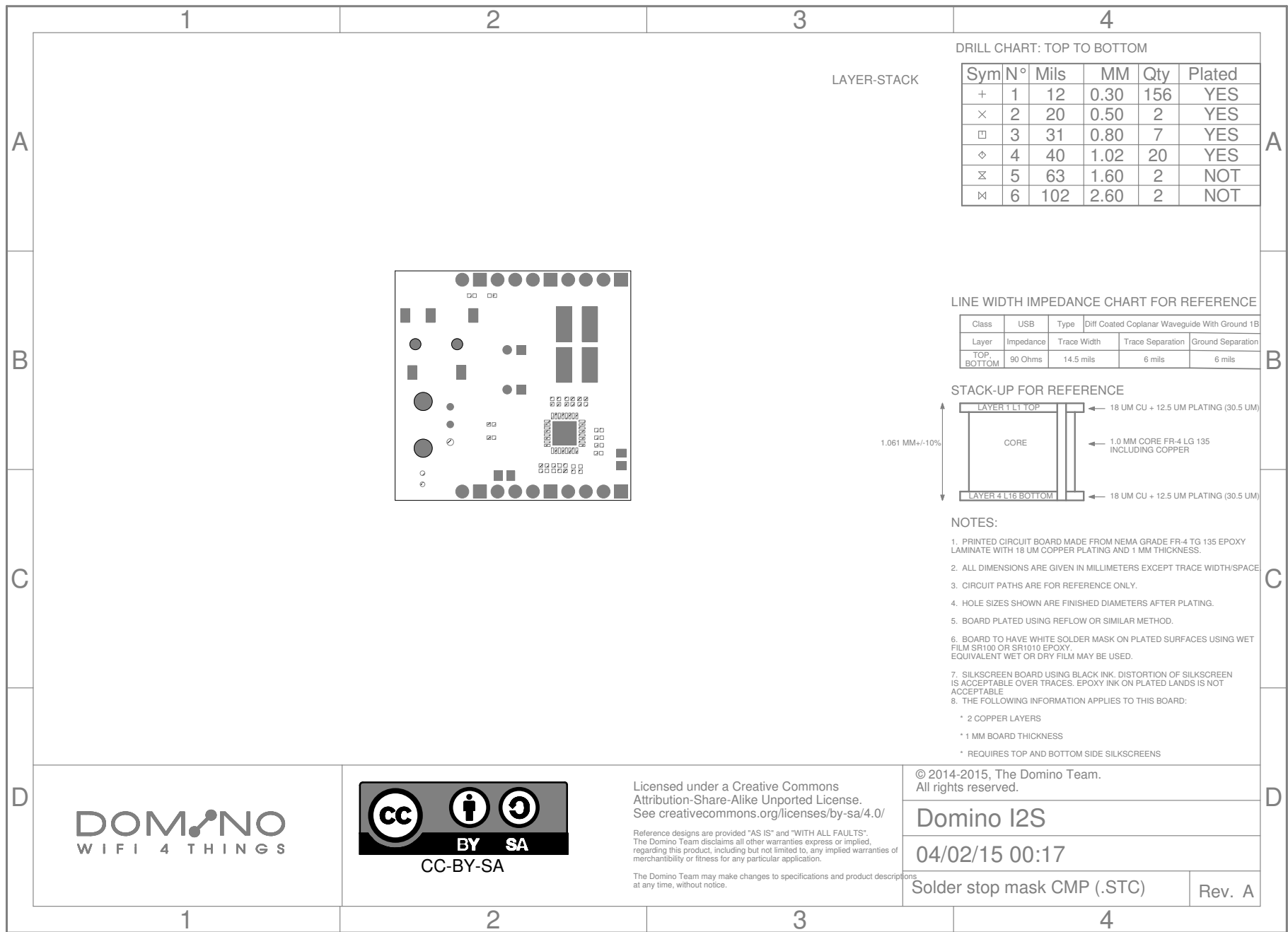
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04/02/15 00:17

Silk screen SOL (.PLS)

Rev. A



LAYER-STACK

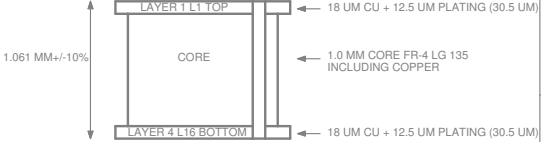
DRILL CHART: TOP TO BOTTOM

Sym	N°	Mils	MM	Qty	Plated
+	1	12	0.30	156	YES
×	2	20	0.50	2	YES
□	3	31	0.80	7	YES
◇	4	40	1.02	20	YES
⊗	5	63	1.60	2	NOT
⊗	6	102	2.60	2	NOT

LINE WIDTH IMPEDANCE CHART FOR REFERENCE

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

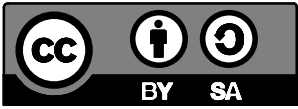
STACK-UP FOR REFERENCE



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

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04/02/15 00:17

Solder stop mask CMP (.STC)

Rev. A

DRILL CHART: TOP TO BOTTOM

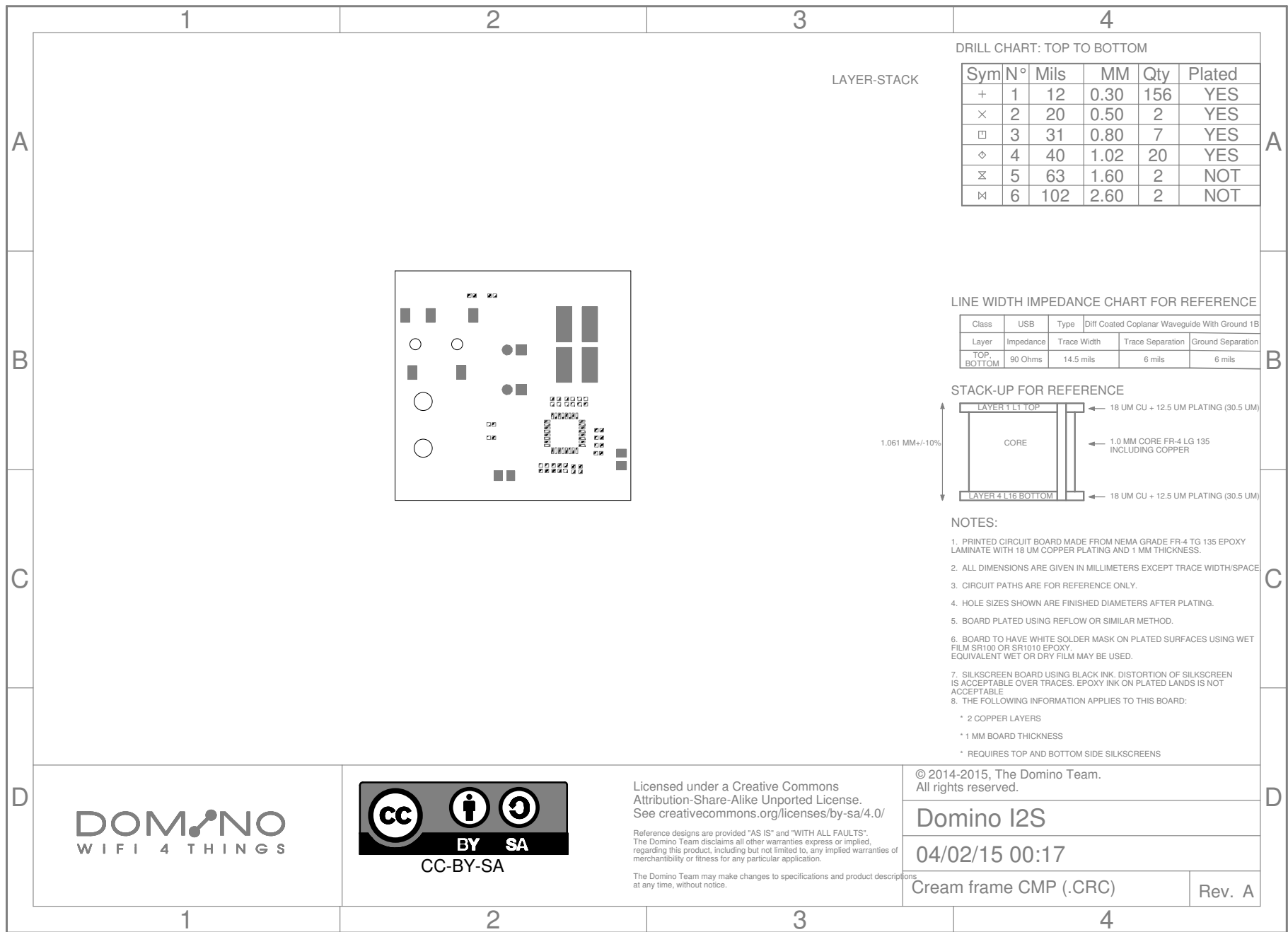
LINE WIDTH IMPEDANCE CHART FOR REFERENCE

## STACK-UP FOR REFERENCE

NOTES:

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04/02/15 00:17



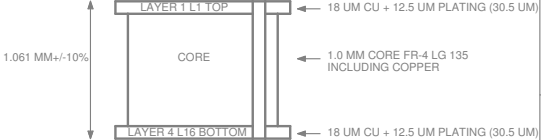
DRILL CHART: TOP TO BOTTOM

Sym	N°	Mils	MM	Qty	Plated
+	1	12	0.30	156	YES
×	2	20	0.50	2	YES
□	3	31	0.80	7	YES
◇	4	40	1.02	20	YES
⊗	5	63	1.60	2	NOT
⊠	6	102	2.60	2	NOT

LINE WIDTH IMPEDANCE CHART FOR REFERENCE

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	

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

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04/02/15 00:17

Cream frame CMP (.CRC)

Rev. A





### DRILL CHART: TOP TO BOTTOM

LINE WIDTH IMPEDANCE CHART FOR REFERENCE

## STACK-UP FOR REFERENCE

NOTES:

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1234

A

LAYER-STACK

DRILL CHART: TOP TO BOTTOM

Sym	N°	Mils	MM	Qty	Plated
+	1	12	0.30	156	YES
×	2	20	0.50	2	YES
□	3	31	0.80	7	YES
◇	4	40	1.02	20	YES
⊗	5	63	1.60	2	NOT
⊠	6	102	2.60	2	NOT

B

LINE WIDTH IMPEDANCE CHART FOR REFERENCE

Class	USB	Type	Diff Coated Coplanar Waveguide With Ground 1B
Layer	Impedance	Trace Width	Trace Separation
TOP, BOTTOM	90 Ohms	14.5 mils	6 mils

STACK-UP FOR REFERENCE

1.061 MM±/-10%

LAYER 1 L1 TOP

← 18 UM CU + 12.5 UM PLATING (30.5 UM)

CORE

← 1.0 MM CORE FR-4 LG 135 INCLUDING COPPER

LAYER 4 L16 BOTTOM

← 18 UM CU + 12.5 UM PLATING (30.5 UM)

C

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

D

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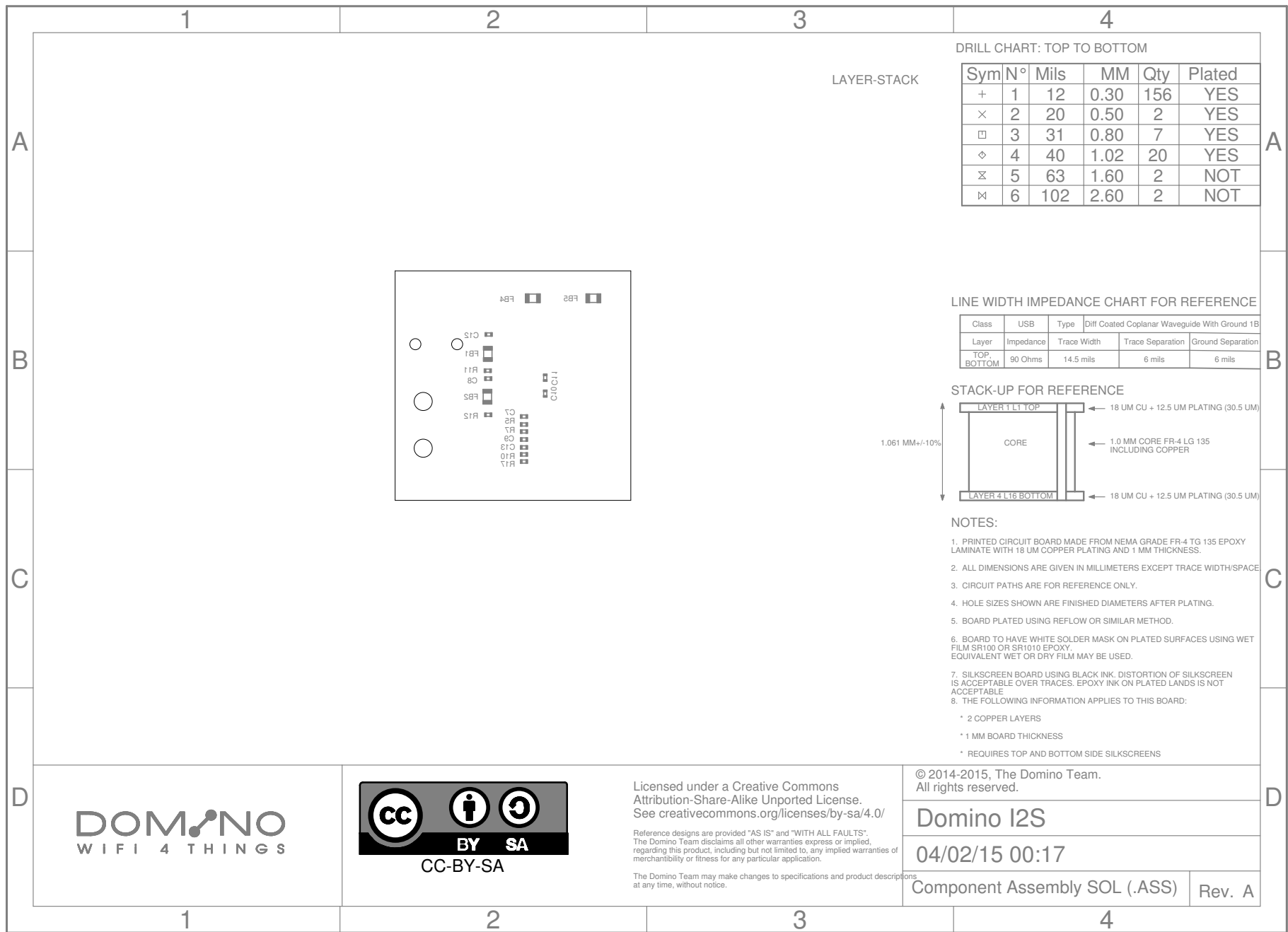
Domino I2S

04/02/15 00:17

Component Assembly CMP (.ASC)

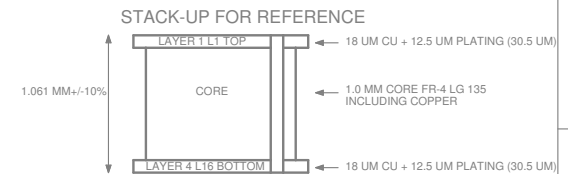
Rev. A

1234



### DRILL CHART: TOP TO BOTTOM

LINE WIDTH IMPEDANCE CHART 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

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Domino I2S

04/02/15 00:17

## Outline (.OLN)

Rev. A

1234

A

LAYER-STACK

01-20

DRILL CHART: TOP TO BOTTOM

Sym	N°	Mils	MM	Qty	Plated
+	1	12	0.30	156	YES
×	2	20	0.50	2	YES
□	3	31	0.80	7	YES
◇	4	40	1.02	20	YES
⊗	5	63	1.60	2	NOT
⊠	6	102	2.60	2	NOT

LINE WIDTH IMPEDANCE CHART FOR REFERENCE

Class	USB	Type	Diff Coated Coplanar Waveguide With Ground 1B
Layer	Impedance	Trace Width	Trace Separation
TOP, BOTTOM	90 Ohms	14.5 mils	6 mils

STACK-UP FOR REFERENCE

1.061 MM±/10%

LAYER 1 L1 TOP

CORE

LAYER 4 L16 BOTTOM

← 18 UM CU + 12.5 UM PLATING (30.5 UM)

← 1.0 MM CORE FR-4 LG 135 INCLUDING COPPER

← 18 UM CU + 12.5 UM PLATING (30.5 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:

\* 2 COPPER LAYERS

\* 1 MM BOARD THICKNESS

\* REQUIRES TOP AND BOTTOM SIDE SILKSCREENS

HEADPHONE

C15

C14

L1

L2

C16

FB6

J8

J6

J7

U1

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R19

R18

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R2

R3

R4

R5

R6

R7

R8

R9

R10

R11

R12

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