



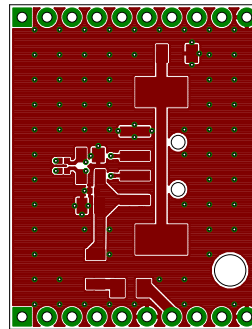


Resistors are 5% 1/16W 0402 unless otherwise specified
Ceramic capacitors are ±10% 50V X7R dielectric 0402 unless otherwise specified

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DRILL CHART: TOP TO BOTTOM

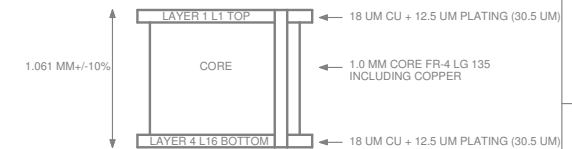
Sym	N°	Mils	MM	Qty	Plated
+	1	12	0.30	84	YES
×	2	40	1.02	20	YES
□	3	55	1.40	2	NOT
◇	4	126	3.20	1	NOT



LINE WIDTH IMPEDANCE CHART FOR REFERENCE

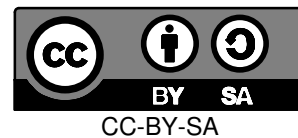
Class	USB	Type	Diff Coated Coplanar Waveguide With Ground 1B	
Layer	Impedance	Trace Width	Trace Separation	Ground Separation
TOP, BOTTOM	90 Ohms	14.5 mils	6 mils	6 mils

STACK-UP FOR REFERENCE



NOTES:

1. PRINTED CIRCUIT BOARD MADE FROM NEMA GRADE FR-4 TO 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 FIL SR1100 OR SR1010 EPOXY.
EQUIVALENT WET OR DRY FIL 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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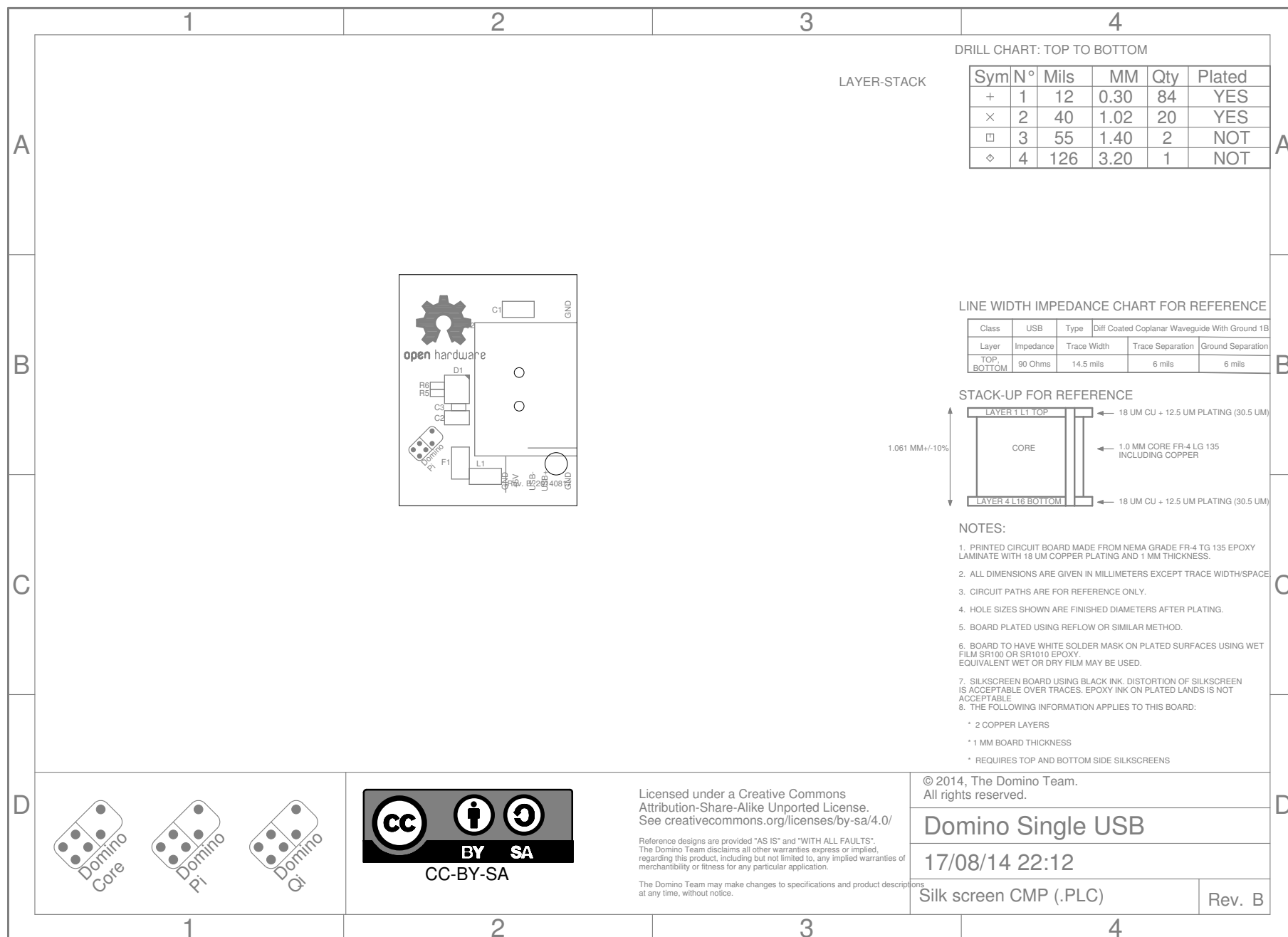
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Domino Single USB

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Component Side (.CMP)

Rev. B



DRILL CHART: TOP TO BOTTOM

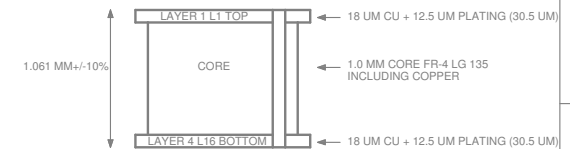
Sym	N°	Mils	MM	Qty	Plated
+	1	12	0.30	84	YES
×	2	40	1.02	20	YES
□	3	55	1.40	2	NOT
◇	4	126	3.20	1	NOT



LINE WIDTH IMPEDANCE CHART FOR REFERENCE

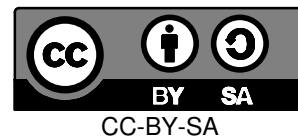
Class	USB	Type	Diff Coated Coplanar Waveguide With Ground 1B	
Layer	Impedance	Trace Width	Trace Separation	Ground Separation
TOP, BOTTOM	90 Ohms	14.5 mils	6 mils	6 mils

STACK-UP FOR REFERENCE



NOTES:

1. PRINTED CIRCUIT BOARD MADE FROM NEMA GRADE FR-4 TO 135 EPOXY LAMINATE WITH 18 UM COPPER PLATING AND 1 MM THICKNESS.
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Silk screen SOL (.PLS)

Rev. B

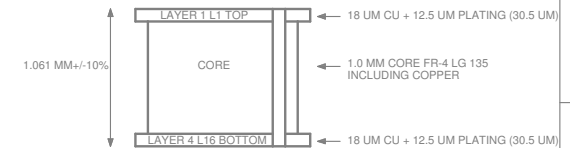
DRILL CHART: TOP TO BOTTOM

Sym	N°	Mils	MM	Qty	Plated
+	1	12	0.30	84	YES
×	2	40	1.02	20	YES
□	3	55	1.40	2	NOT
◇	4	126	3.20	1	NOT

LINE WIDTH IMPEDANCE CHART FOR REFERENCE

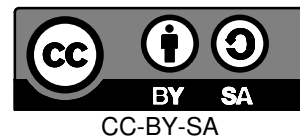
Class	USB	Type	Diff Coated Coplanar Waveguide With Ground 1B	
Layer	Impedance	Trace Width	Trace Separation	Ground Separation
TOP, BOTTOM	90 Ohms	14.5 mils	6 mils	6 mils

STACK-UP FOR REFERENCE



NOTES:

1. PRINTED CIRCUIT BOARD MADE FROM NEMA GRADE FR-4 TQ 135 EPOXY LAMINATE WITH 18 UM COPPER PLATING AND 1 MM THICKNESS.
2. ALL DIMENSIONS ARE GIVEN IN MILLIMETERS EXCEPT TRACE WIDTH/SPACE
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Solder stop mask SOL (.STS)

Rev. B

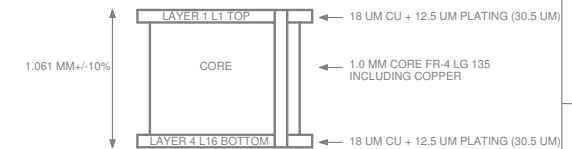
DRILL CHART: TOP TO BOTTOM

Sym	N°	Mils	MM	Qty	Plated
+	1	12	0.30	84	YES
×	2	40	1.02	20	YES
□	3	55	1.40	2	NOT
◇	4	126	3.20	1	NOT

LINE WIDTH IMPEDANCE CHART FOR REFERENCE

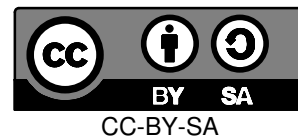
Class	USB	Type	Diff Coated Coplanar Waveguide With Ground 1B	
Layer	Impedance	Trace Width	Trace Separation	Ground Separation
TOP, BOTTOM	90 Ohms	14.5 mils	6 mils	6 mils

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.
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options Cream frame CMP (.CRC)

Rev. B

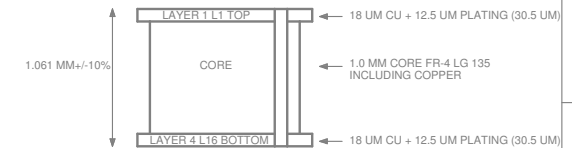
DRILL CHART: TOP TO BOTTOM

Sym	N°	Mils	MM	Qty	Plated
+	1	12	0.30	84	YES
×	2	40	1.02	20	YES
□	3	55	1.40	2	NOT
◇	4	126	3.20	1	NOT

LINE WIDTH IMPEDANCE CHART FOR REFERENCE

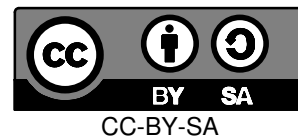
Class	USB	Type	Diff Coated Coplanar Waveguide With Ground 1B	
Layer	Impedance	Trace Width	Trace Separation	Ground Separation
TOP, BOTTOM	90 Ohms	14.5 mils	6 mils	6 mils

STACK-UP FOR REFERENCE



NOTES:

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6. BOARD TO HAVE WHITE SOLDER MASK ON PLATED SURFACES USING WET FIL SR1100 OR SR1010 EPOXY.
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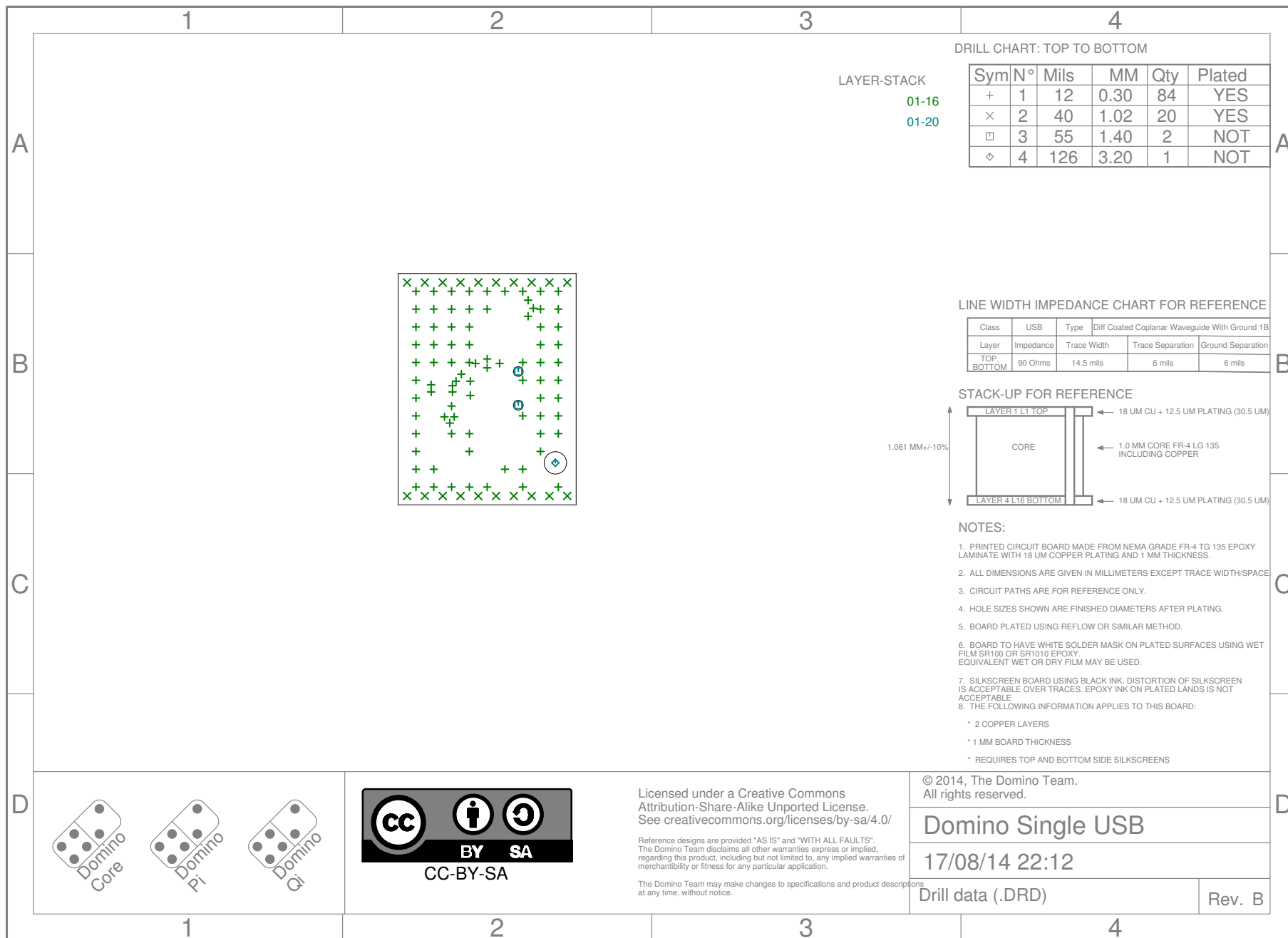
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Cream frame SOL (.CRS)

Rev. B



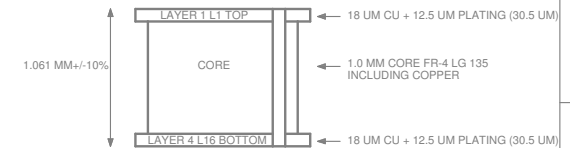
DRILL CHART: TOP TO BOTTOM

Sym	N°	Mils	MM	Qty	Plated
+	1	12	0.30	84	YES
×	2	40	1.02	20	YES
□	3	55	1.40	2	NOT
◇	4	126	3.20	1	NOT

LINE WIDTH IMPEDANCE CHART FOR REFERENCE

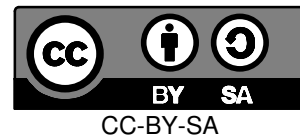
Class	USB	Type	Diff Coated Coplanar Waveguide With Ground 1B	
Layer	Impedance	Trace Width	Trace Separation	Ground Separation
TOP, BOTTOM	90 Ohms	14.5 mils	6 mils	6 mils

STACK-UP FOR REFERENCE



NOTES:

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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.
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Component Assembly SOL (.ASS)

Rev. B

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Item	Qty	Value	Manufacturer	Device	Package	Reference	Description	Remarks
1	11n		ANY	C1206_1n_X7R_10%_CER_500V	C1206	C1	CAP CER 1000PF 500V 10% X7R 1206	
2	110u		ANY	C0805_10u_X5R_10%_CER_16V	C0805	C2	CAP CER 10UF 16V 10% X5R 0805	
3	1100n		ANY	C0402_100n_X7R_10%_CER_50V	C0402	C3	CAP CER 0.1UF 50V 10% X7R 0402	
4	1PRTR5V0U2X		NXP	PRTR5V0U2X	SOT143B	D1	TVS DIODE ARRAY 2CH 5V SOT143	
5	10ZCA0050FF2G		BEL FUSE INC	0ZCG0110FF2C	PTC1206	F1	PTC RESETTBLE 1.10A 8V CHIP 1812	
6	2MH10-1		ANY	MH10-1-0.1	MH10-1-0.1	J1, J3	CONN HEADER VERT .100 1ROW 10POS 8.08 HEAD 3.05 TAIL 15AU	
7	1USB_AF-006		SZJUSTWELL ELECTRONICS	USB_AF-006	USB_AF-006	J2	CONN USB A RECPT SMT R/A VERT	
8	1BLM31PG601SN1L		MURATA	BLM31PG601SN1L	FB1206	L1	FERRITE CHIP 600 OHM 1500MA 1206	
9	20R		ANY	R0402_0R_5%_62.5mW	R0402	R5, R6	RES 0.0 OHM 1/16W JUMP 0402 SMD	