

U_Merge
Merge.SchDoc

U_5V_Converter
5V_Converter.SchDoc

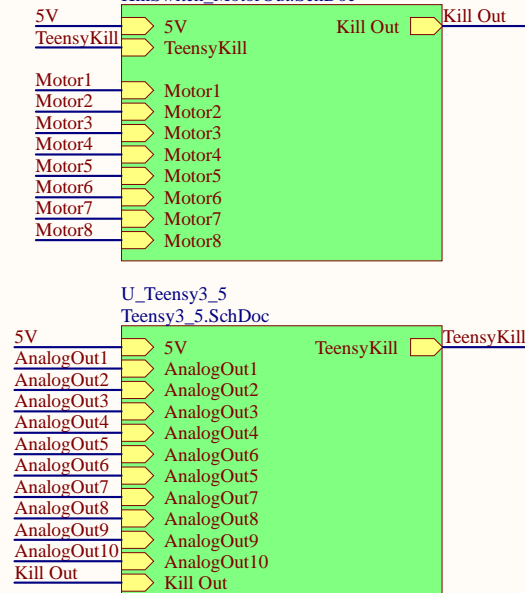
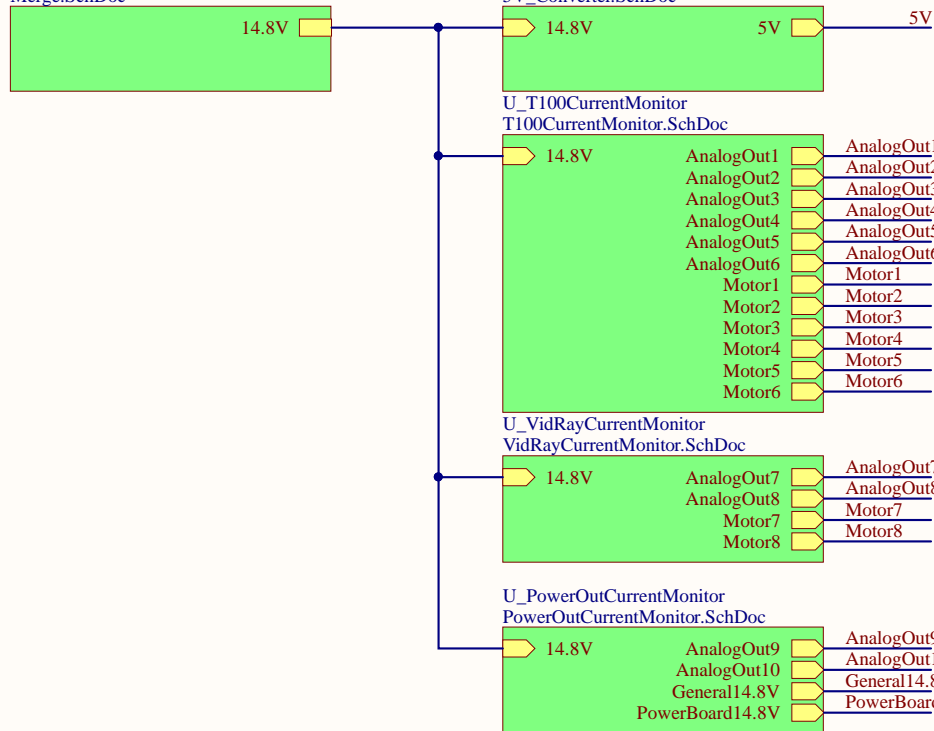
U_T100CurrentMonitor
T100CurrentMonitor.SchDoc

U_VidRayCurrentMonitor
VidRayCurrentMonitor.SchDoc

U_PowerOutCurrentMonitor
PowerOutCurrentMonitor.SchDoc

U_KillSwitch_MotorOut
KillSwitch_MotorOut.SchDoc

U_Teensy3_5
Teensy3_5.SchDoc



Title

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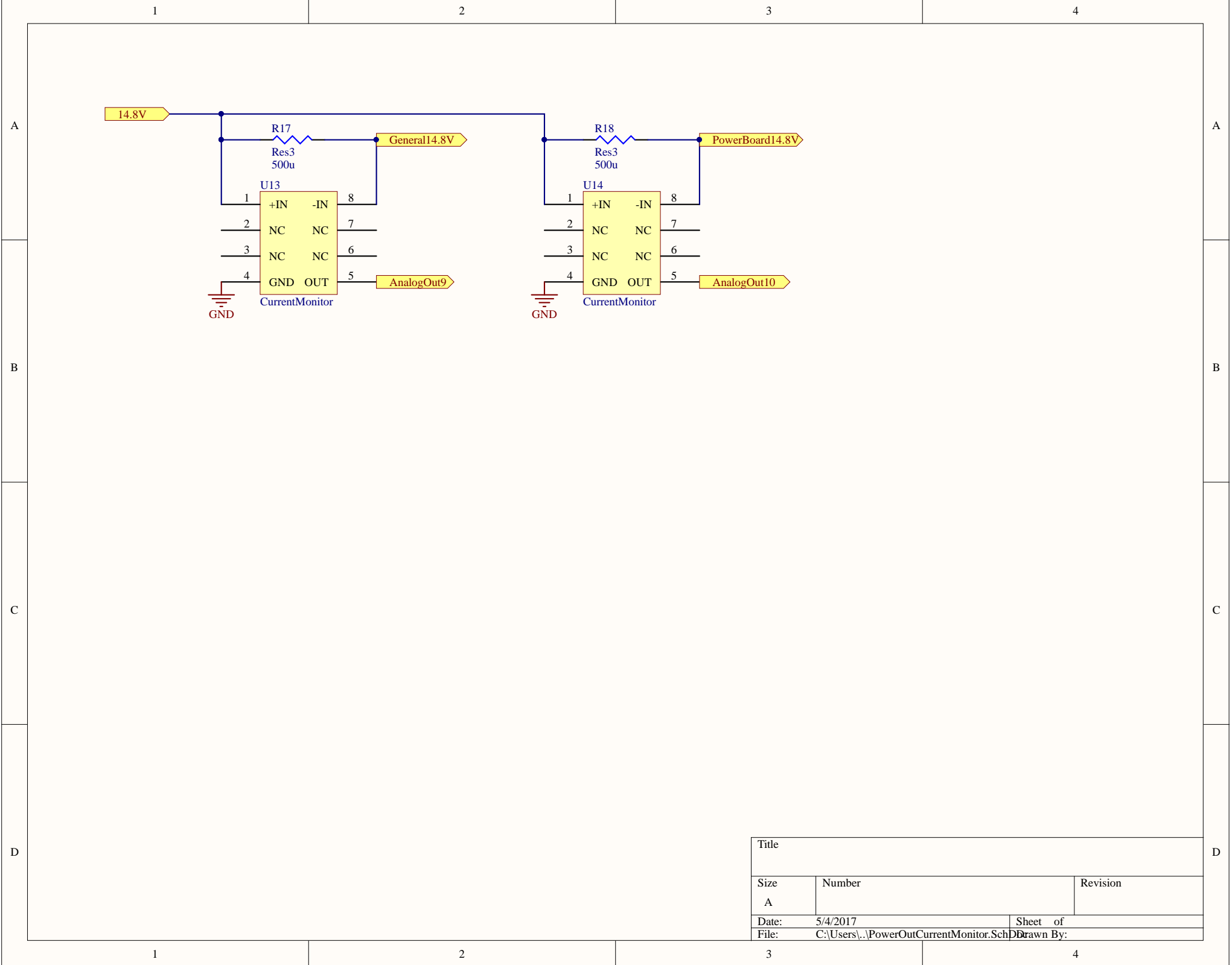
5/4/2017

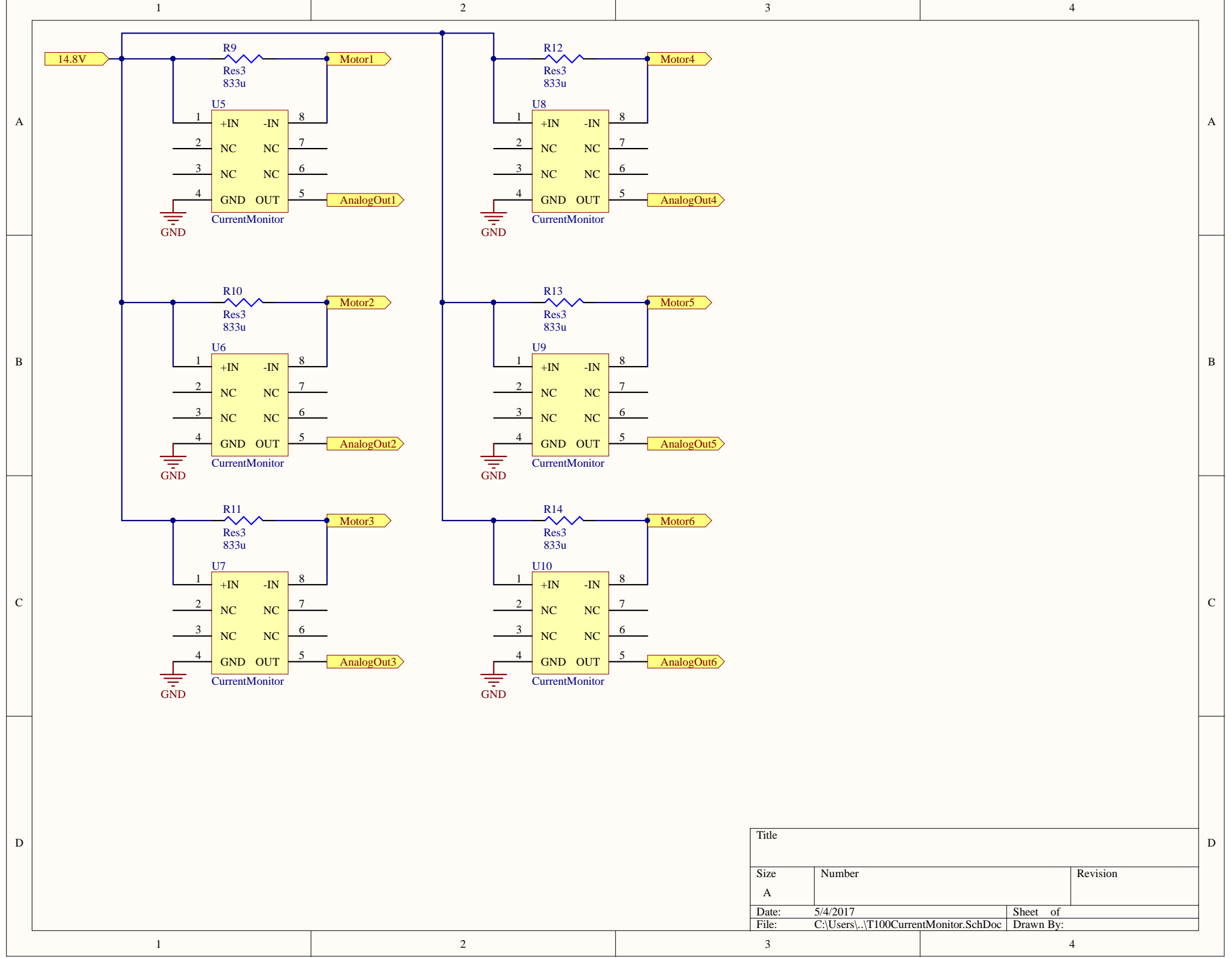
C:\Users\...\MergeBoard.SchDoc

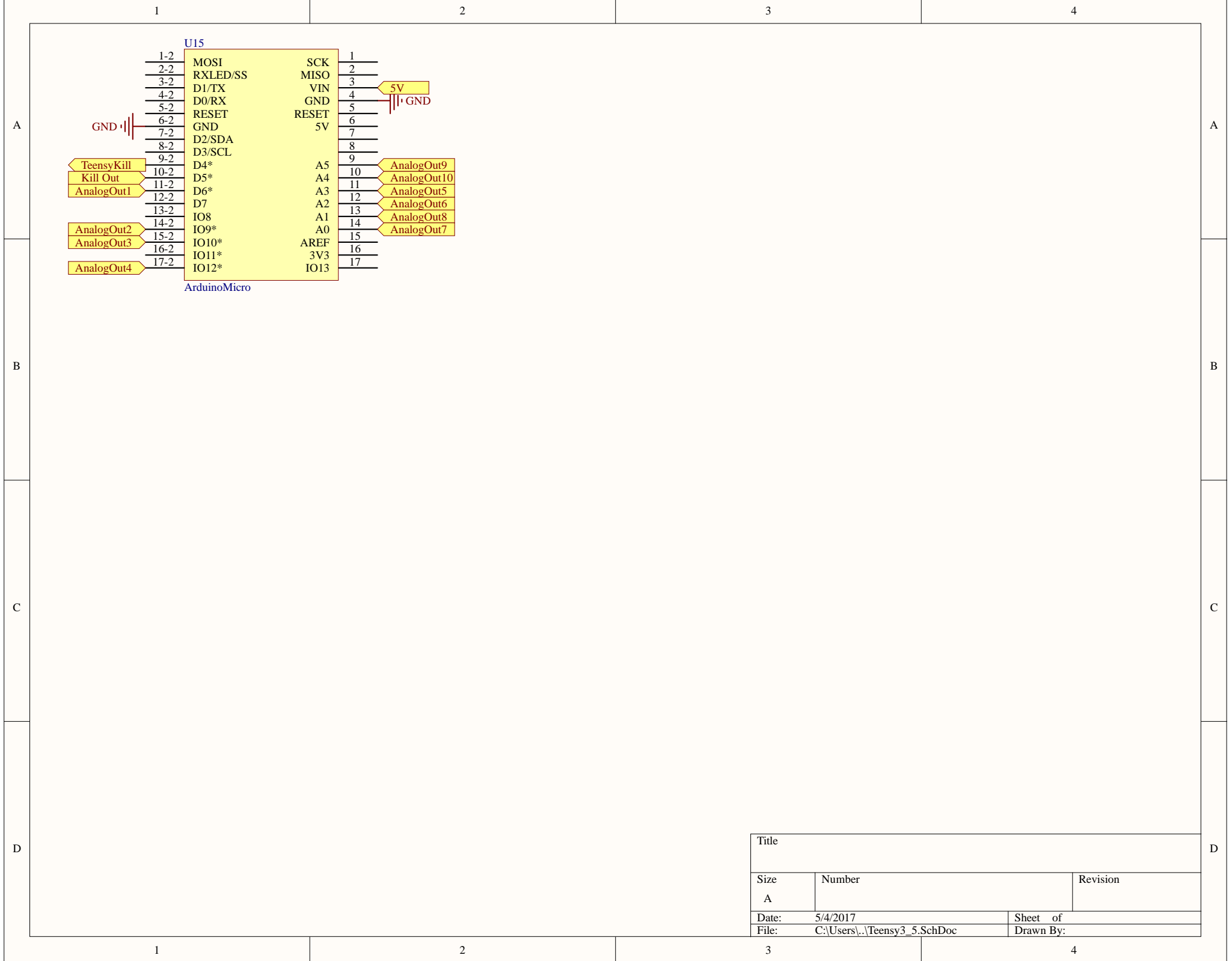
Revision

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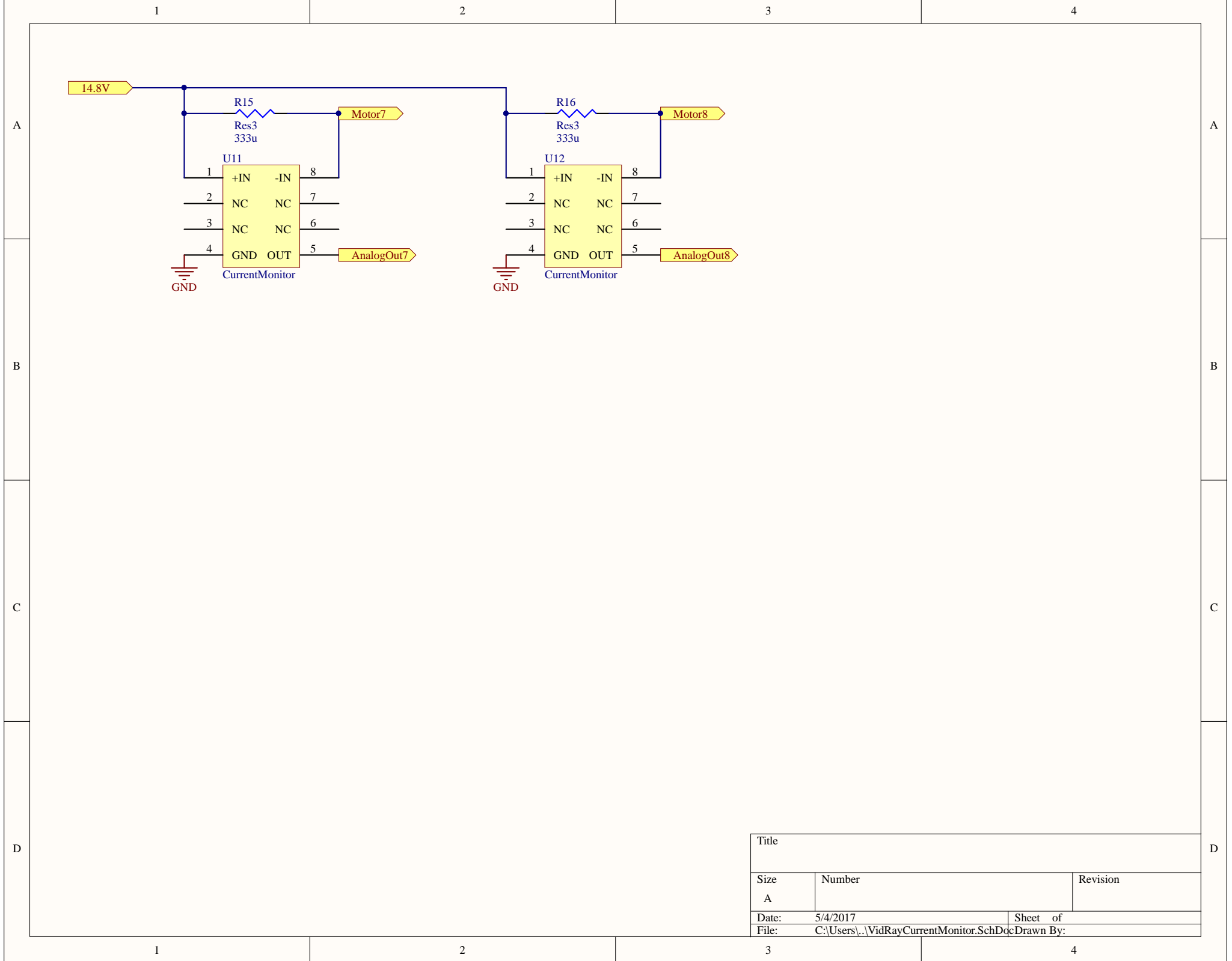
Drawn By:







Title		
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Date:	5/4/2017	Sheet of
File:	C:\Users\...\Teensy3_5.SchDoc	Drawn By:



Title		
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Date:	5/4/2017	Sheet of
File:	C:\Users\...\VidRayCurrentMonitor.SchDocDrawn By:	

Comment	Description	Designator	Footprint	LibRef	Quantity
Cap Semi	Capacitor (Semiconductor SIM Model)	C1, C2	C1206	Cap Semi	2
Molex 42819-4224		J1, J2, J3, J4, J5, J6	MOLEX_42819-4224	Molex_42819-4224	6
U4		NC7SZ08M5X	NC7SZ08M5X	NC7SZ08M5X	1
Header 2	Header, 2-Pin	P1	HDR1X2	Header 2	1
IPT004N03L	N-Channel OptiMOS(TM) Power- MOSFET, 30 V VDS, 300 A ID, -55 to 175 degC, PG-HSOF-8, Reel, Green	Q1, Q2	INF-PG-HSOF-8-1_V	IPT004N03L	2
IRLR6225		Q3, Q4, Q5, Q6, Q7, Q8, Q9, Q10	IRLR6225	IRLR6225	8
Res3	Resistor	R1, R2, R3, R4, R5, R6, R7, R8, R19	J1-0603	Res3	9
Res3	Resistor	R9, R10, R11, R12, R13, R14	Resistor075mohms	Res3	6
Res3	Resistor	R15, R16	Resistor03mOhm	Res3	2
Res3	Resistor	R17, R18	Resistor05MOHM	Res3	2
LTC4357CMS8#PBF	Positive High Voltage Ideal Diode Controller, 9 to 80 V Vin, 8-pin SOP (MS8-8), 0 to 70 degC, Pb-Free	U1, U2	LT-MS8-8_N	LTC4357CMS8#PBF	2
Recom-785.0-1.0		U3	Recom-78E5.0-1.0	Recom-785.0-1.0	1
CurrentMonitor		U5, U6, U7, U8, U9, U10, U11, U12, U13, U14	AD8217	AD8217	10
ArduinoMicro		U15	ArduinoMicro	ArduinoMicro	1