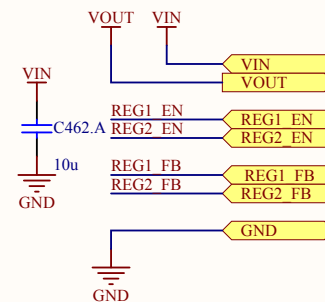
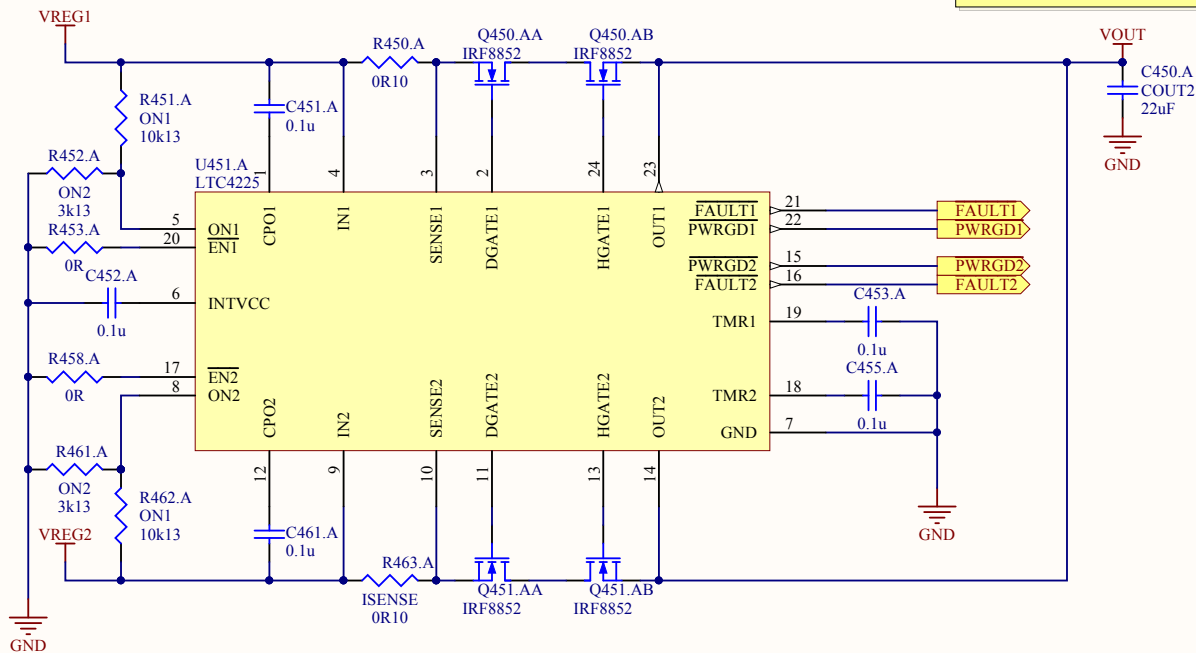
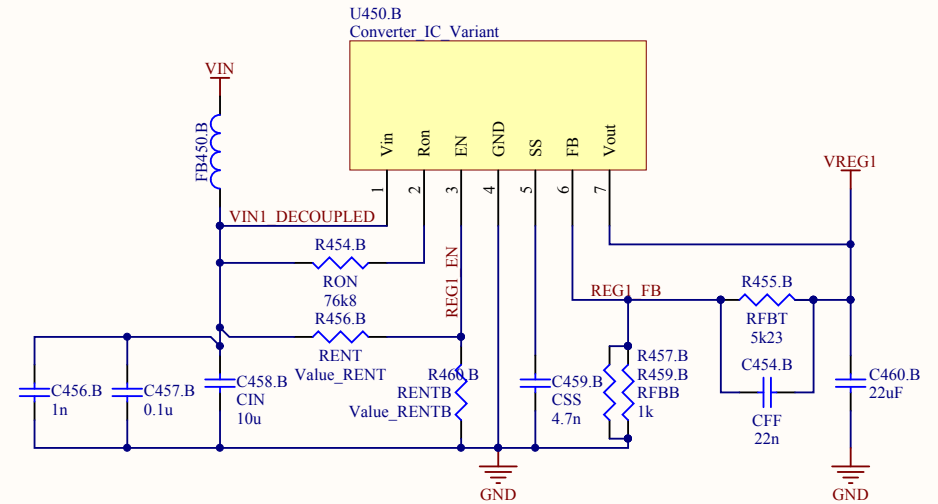
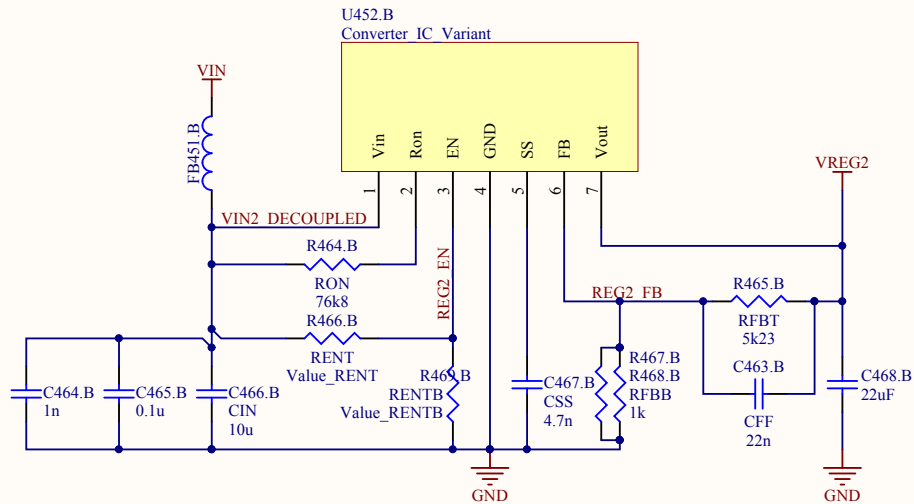


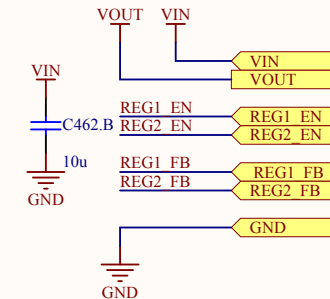
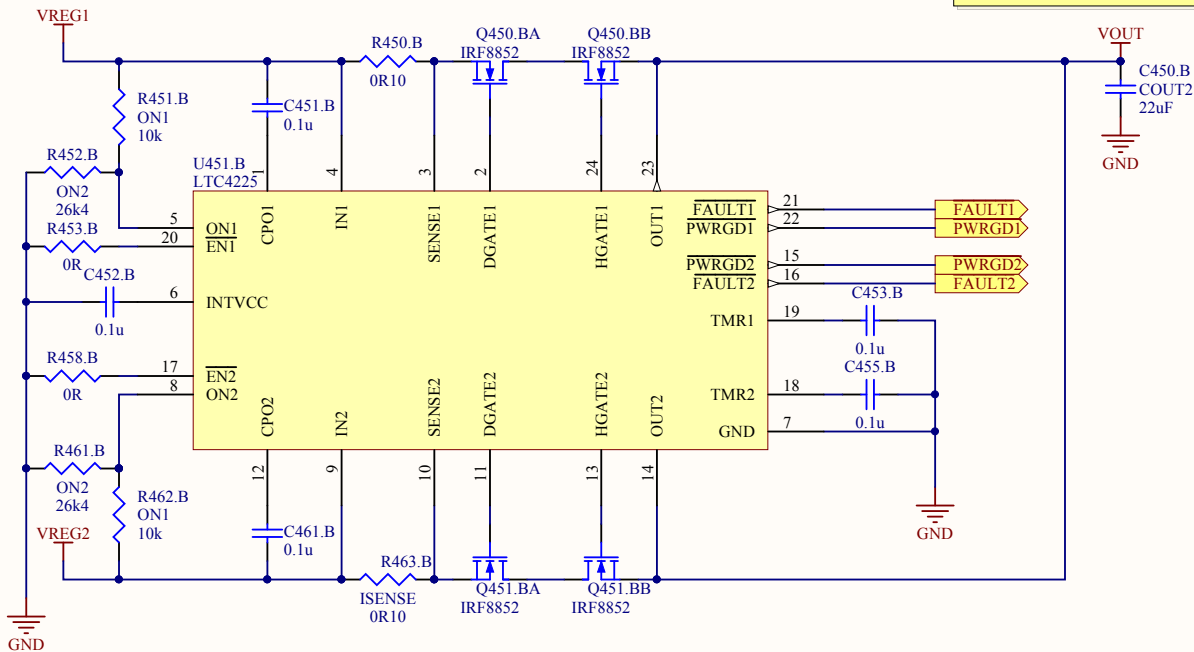
VOUT	RON	RENT	RENTB	RFB	RFBT	COUT*	ON1*	ON2*	ISENSE*	COUT2*	IC*
VAR	274k	Confirm with		3k45	16k	22uF	10k	22k4	100m	22uF	LMZ14203H
13.6	274k	Tom minimum		1k	16k	22uF	10k	95k25	100m	22uF	LMZ14203H
9.1	164k	battery voltage		1k	10k38	22uF	10k	59k6	100m	22uF	LMZ14203H
8.0	%%NOT REQUIRED, USE TO-92 LDO ON THE R100 RX%%										
5.0	76k8	-	-	1k	5k25	22uF	10k	26k4	100m	22uF	LMZ14203H/EXT
3.3	51k1	-	-	1k	3k13	22uF	10k13	14k3	100m	22uF	LMZ14203EXT



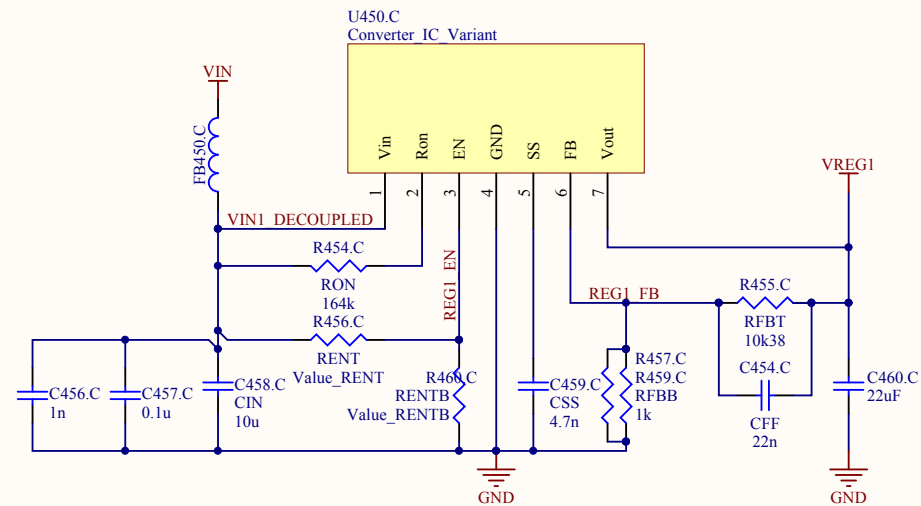
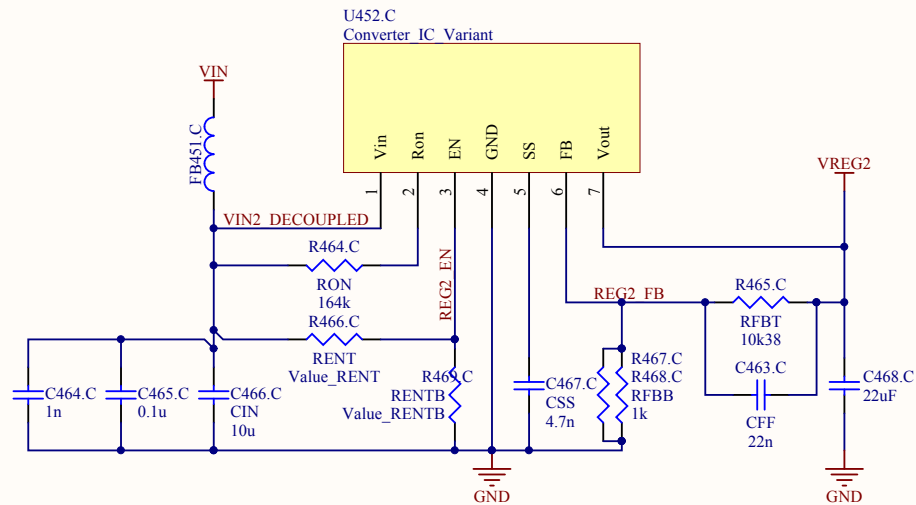
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File:	C:\Users\...\RedundantReg.SchDoc	Drawn By:



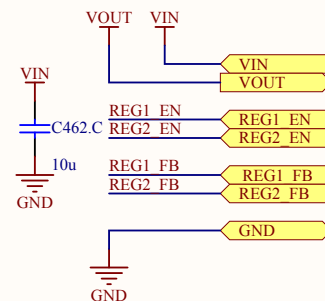
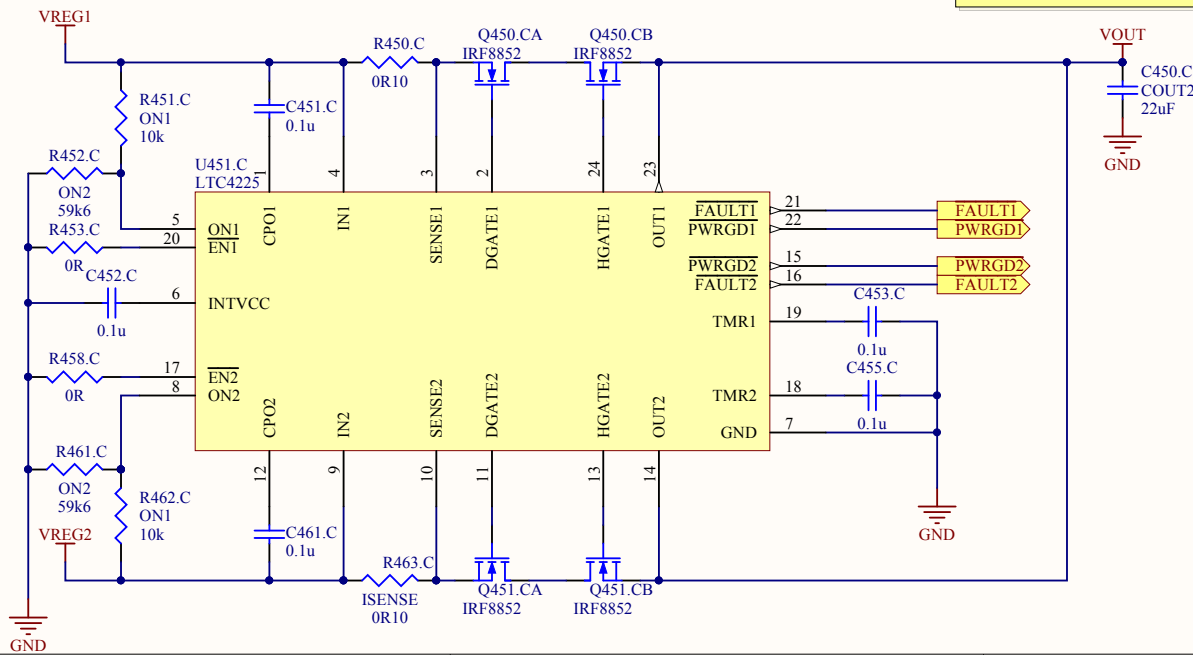
VOUT	RON	RENT	RENTB	RFBB	RFBT	COUT*	ON1*	ON2*	ISENSE*	COUT2*	IC*
VAR	274k	Confirm with	3k45	16k	22uF	10k	22k4	100m	22uF	LMZ14203H	
13.6	274k	Tom minimum	1k	16k	22uF	10k	95k25	100m	22uF	LMZ14203H	
9.1	164k	battery voltage	1k	10k38	22uF	10k	59k6	100m	22uF	LMZ14203H	
8.0	%%NOT	REQUIRED, USE TO-92	LDO	ON THE	R100	RX%%					
5.0	76k8	-	-	1k	5k25	22uF	10k	26k4	100m	22uF	LMZ14203H/EXT
3.3	51k1	-	-	1k	3k13	22uF	10k13	14k3	100m	22uF	LMZ14203EXT



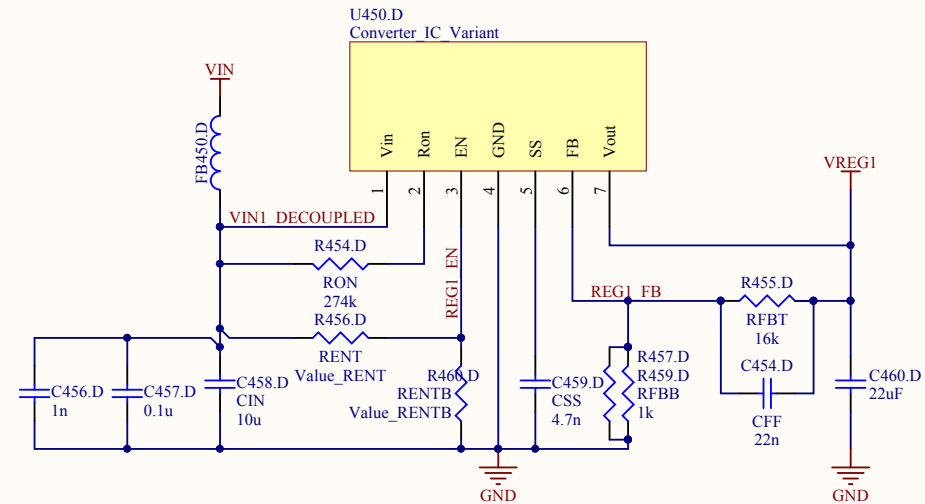
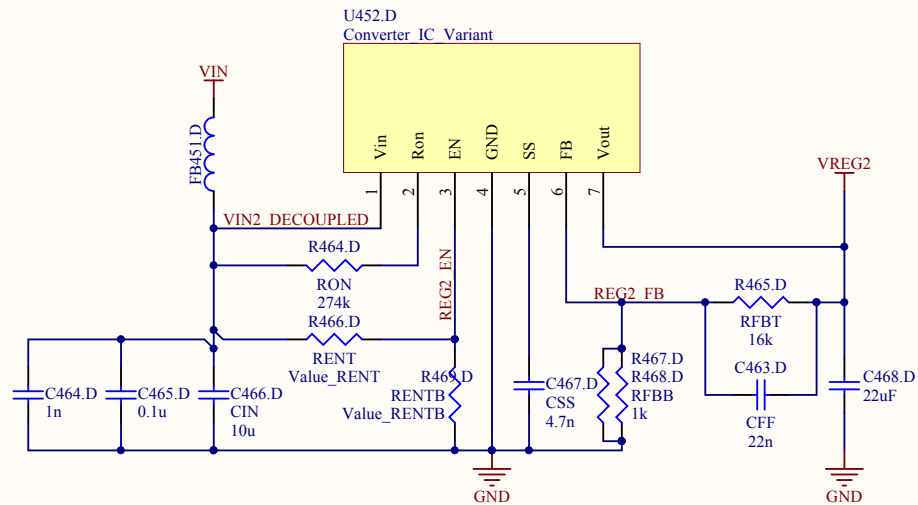
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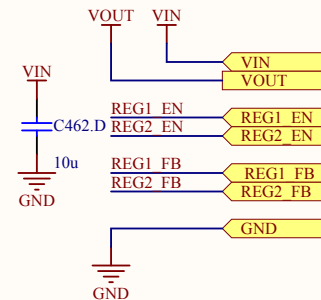
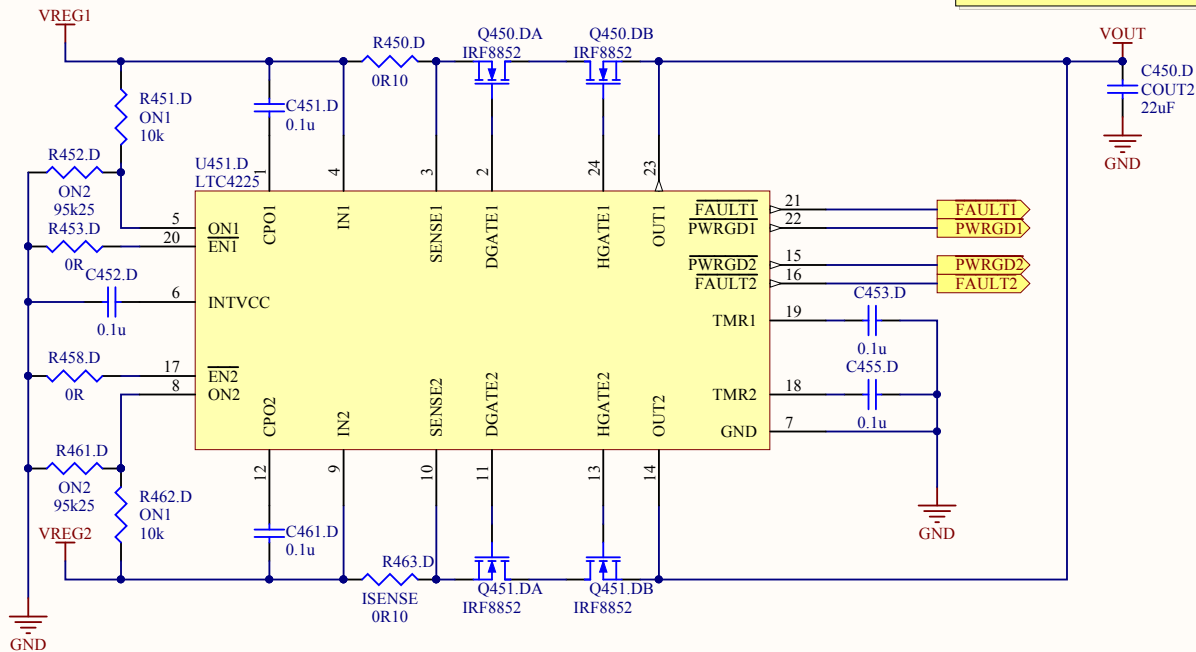
VOUT	RON	RENT	RENTB	RFBB	RFBT	COUT*	ON1*	ON2*	ISENSE*	COUT2*	IC*
VAR	274k	Confirm with		3k45	16k	22uF	10k	22k4	100m	22uF	LMZ14203H
13.6	274k	Tom minimum		1k	16k	22uF	10k	95k25	100m	22uF	LMZ14203H
9.1	164k	battery voltage		1k	10k38	22uF	10k	59k6	100m	22uF	LMZ14203H
8.0	%%NOT REQUIRED, USE TO-92 LDO ON THE R100 RX%%										
5.0	76k8	-	-	1k	5k25	22uF	10k	26k4	100m	22uF	LMZ14203H/EXT
3.3	51k1	-	-	1k	3k13	22uF	10k13	14k3	100m	22uF	LMZ14203EXT



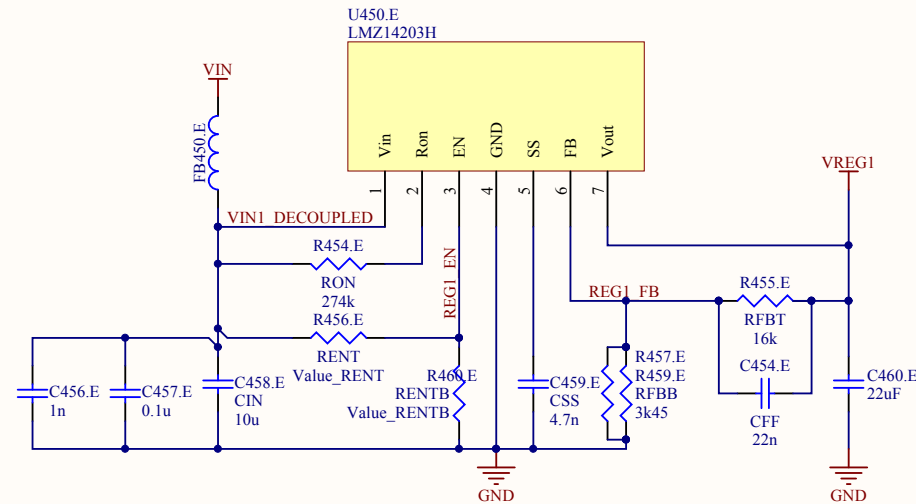
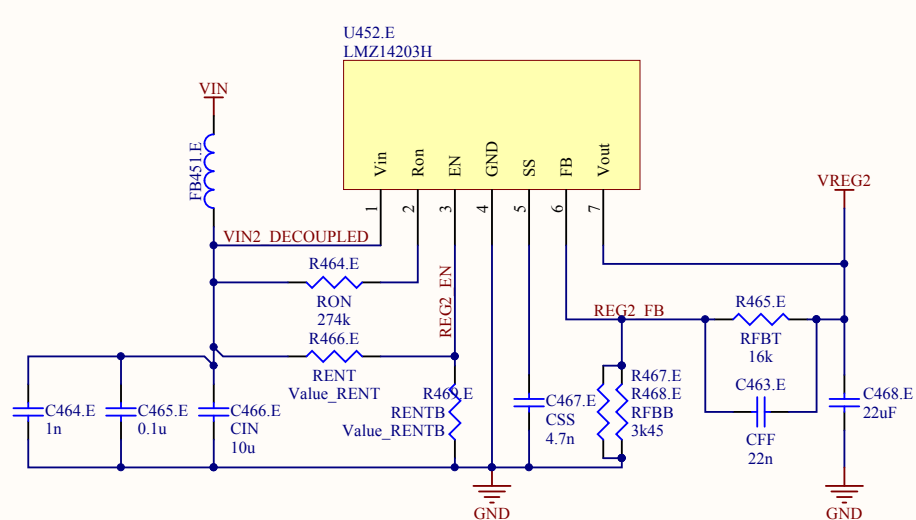
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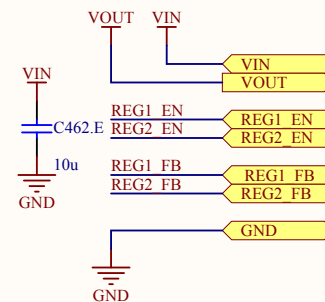
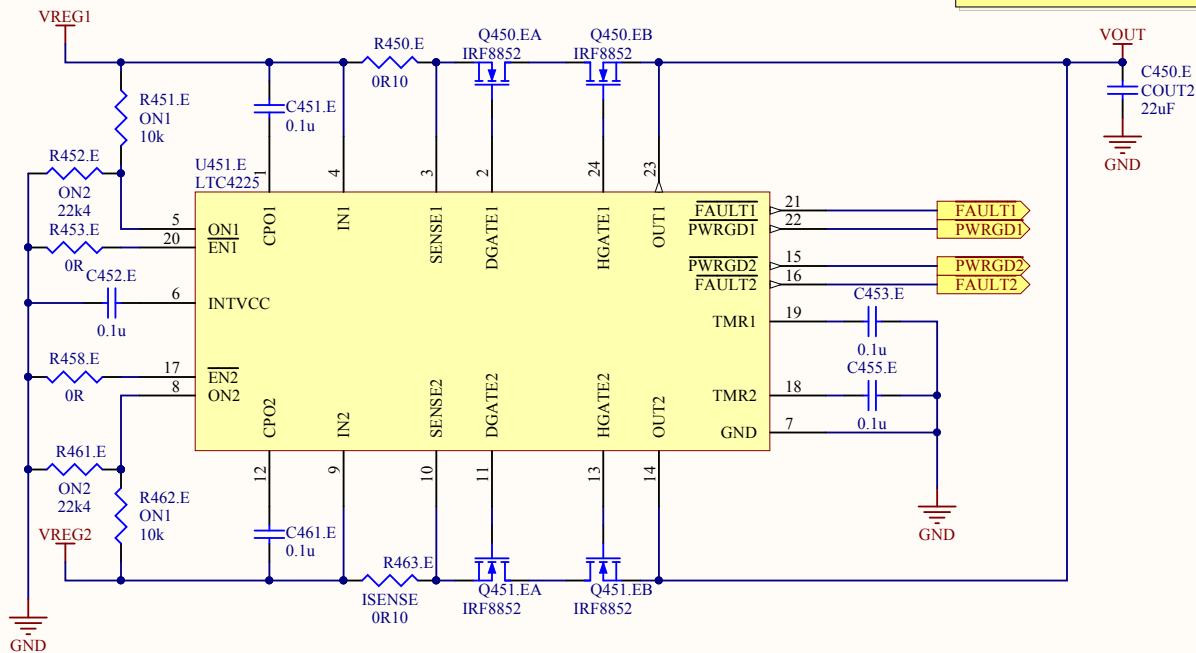
VOUT	RON	RENT	RENTB	RFB	RFBT	COUT*	ON1*	ON2*	ISENSE*	COUT2*	IC*
VAR	274k	Confirm with	3k45	16k	22uF	10k	22k4	100m	22uF	LMZ14203H	
13.6	274k	Tom minimum	1k	16k	22uF	10k	95k25	100m	22uF	LMZ14203H	
9.1	164k	battery voltage	1k	10k38	22uF	10k	59k6	100m	22uF	LMZ14203H	
8.0	%%NOT	REQUIRED, USE TO-92	LDO	ON THE	R100	RX%%					
5.0	76k8	-	-	1k	5k25	22uF	10k	26k4	100m	22uF	LMZ14203H/EXT
3.3	51k1	-	-	1k	3k13	22uF	10k13	14k3	100m	22uF	LMZ14203EXT



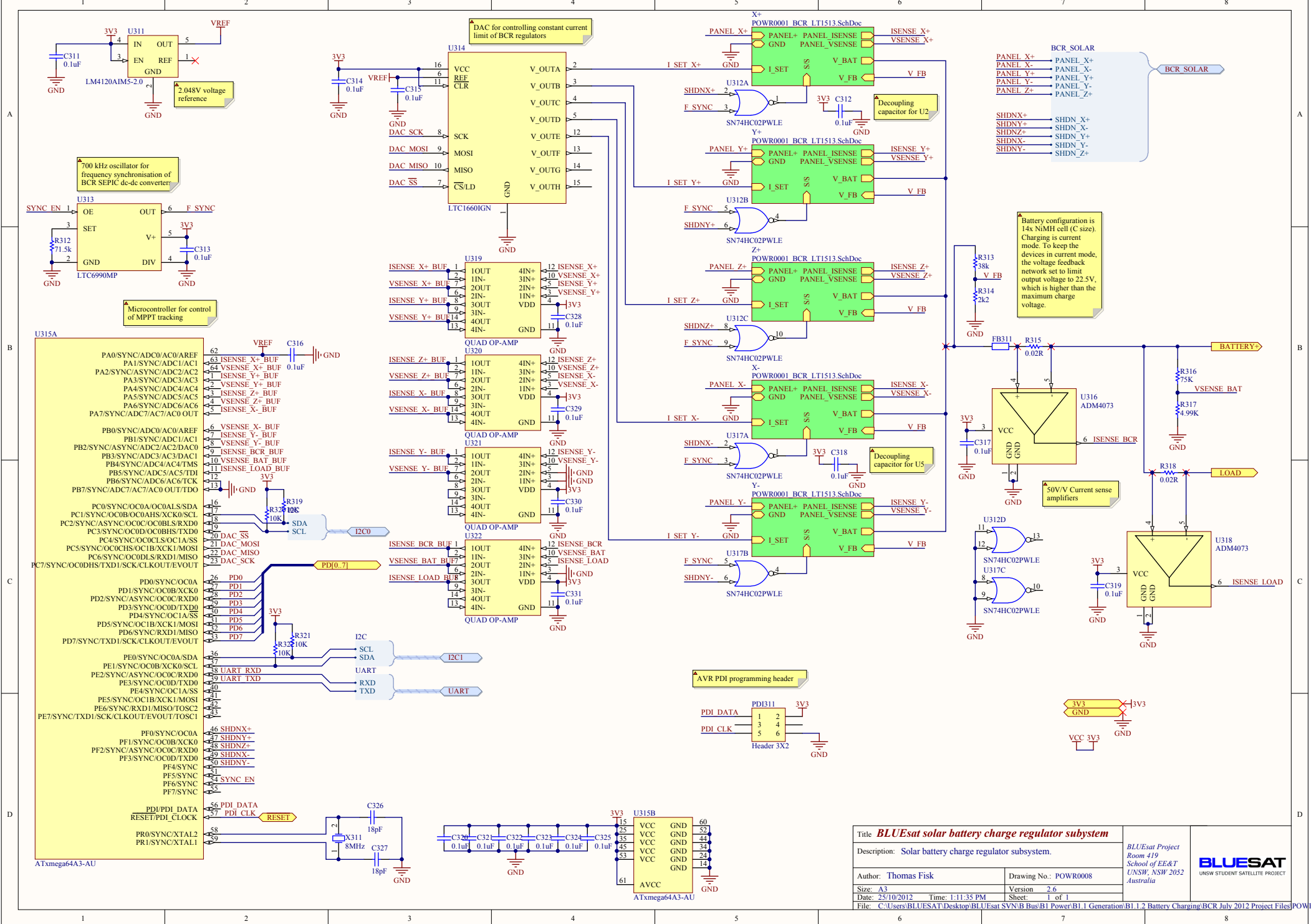
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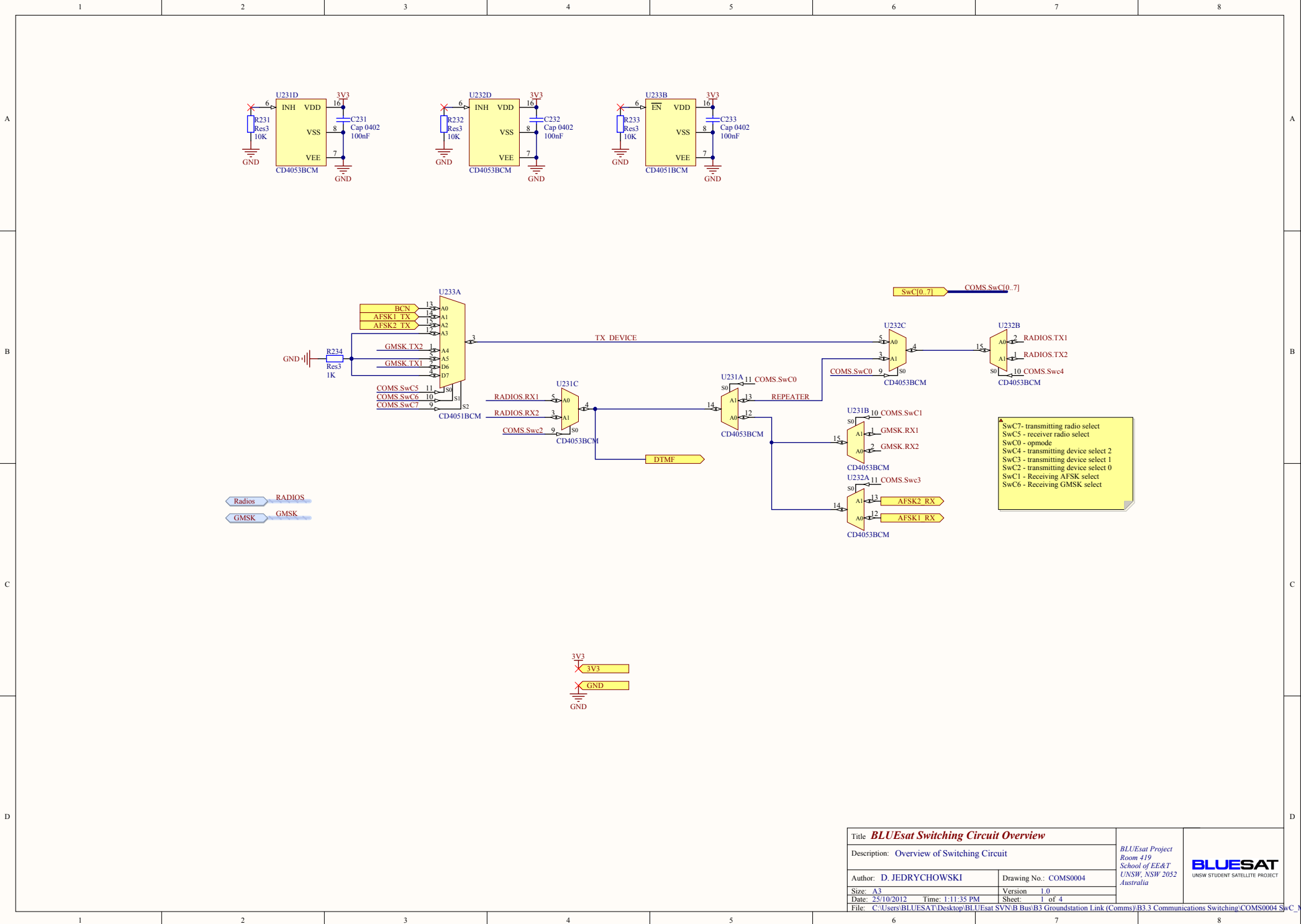
VOUT	RON	RENT	RENTB	RFBB	RFBT	COUT*	ON1*	ON2*	ISENSE*	COUT2*	IC*
VAR	274k	Confirm with	3k45	16k	16k	22uF	10k	22k4	100m	22uF	LMZ14203H
13.6	274k	Tom minimum	1k	16k	16k	22uF	10k	95k25	100m	22uF	LMZ14203H
9.1	164k	battery voltage	1k	10k38	10k38	22uF	10k	59k6	100m	22uF	LMZ14203H
8.0	%%NOT REQUIRED, USE TO-92 LDO ON THE R100 RX%%										
5.0	76k8	-	-	1k	5k25	22uF	10k	26k4	100m	22uF	LMZ14203H/EXT
3.3	51k1	-	-	1k	3k13	22uF	10k13	14k3	100m	22uF	LMZ14203EXT

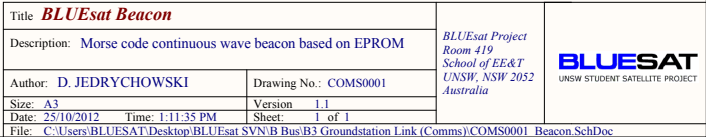


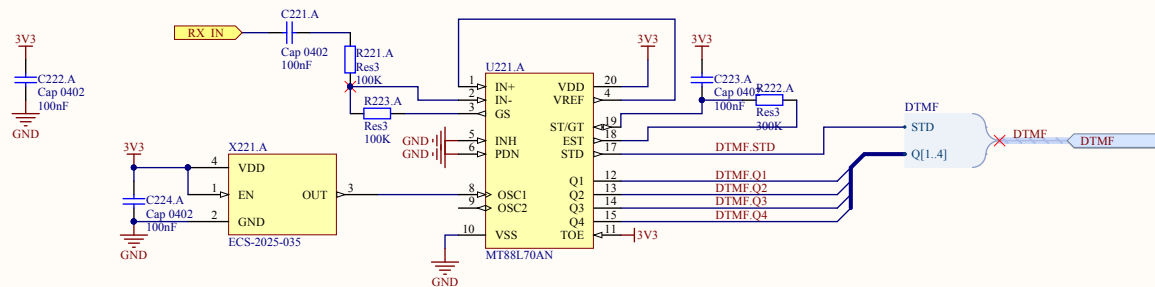
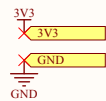
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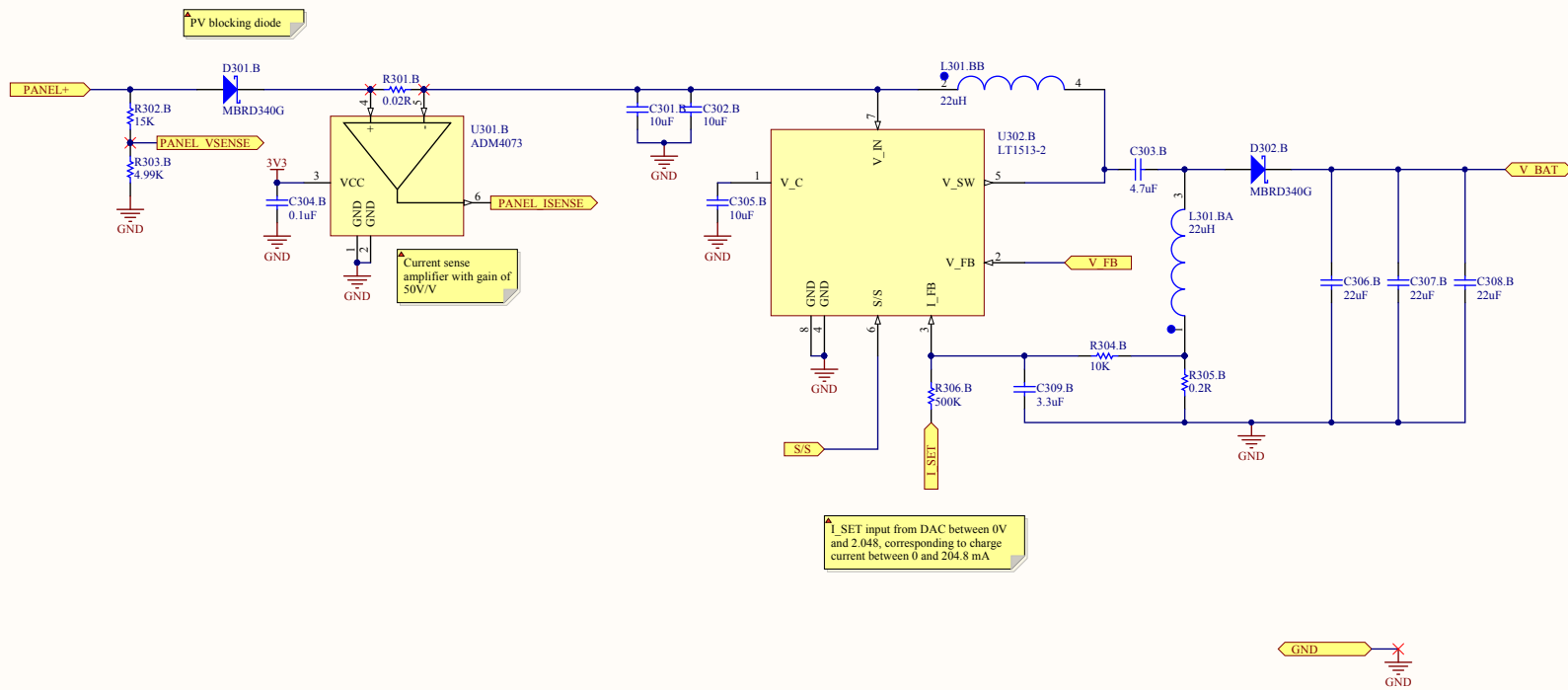
Title BLUEsat solar battery charge regulator subsystem			BLUEsat Project Room 419 School of EE&T UNSW, NSW 2052 Australia	 UNSW STUDENT SATELLITE PROJECT		
Description: Solar battery charge regulator subsystem.						
Author: Thomas Fisk	Drawing No.: POWR0008					
Size: A3	Version: 2.6					
Date: 25/10/2012	Time: 1:11:35 PM	Sheet: 1 of 1				
File: C:\Users\BLUESAT\Desktop\BLUEsat SVN\B Bus\B1 Power\B1.1 Generation\B1.1.2 Battery Charging\BCR July 2012 Project Files\POWR0008						








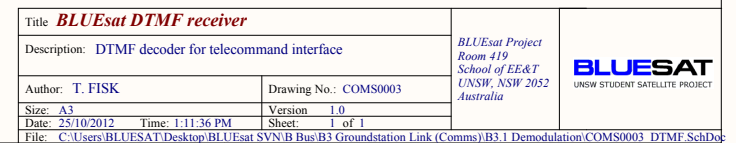
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Description: DTMF decoder for telecommand interface		
Author: T. FISK	Drawing No.: COMS0003	
Size: A3	Version: 1.0	
Date: 25/10/2012	Time: 1:11:36 PM	Sheet: 1 of 1
File: C:\Users\BLUESAT\Desktop\BLUESat SVN\B Bus\B3 Groundstation Link (Comms)\B3.1 Demodulation\COMS0003_DTMF SchDoc		

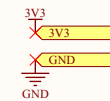
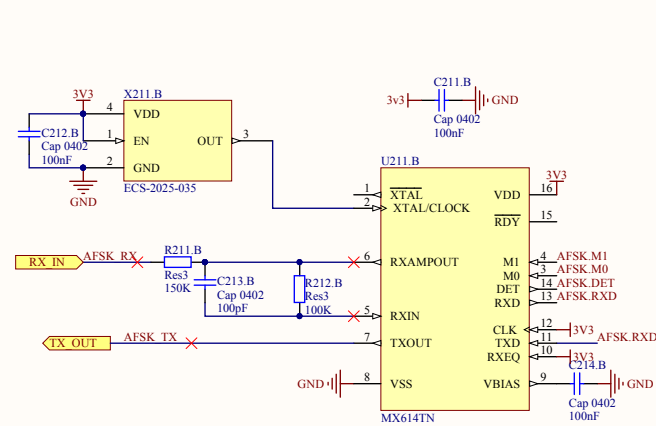



Title BLUESat Battery Charge Regulator		<div> UNSW STUDENT SATELLITE PROJECT</div>
Description: SEPIC battery charge regulator with variable current control		
Author: Thomas Fisk	Drawing No.: POWR0001	
Size: A3	Version 4	
Date: 25/10/2012 Time: 1:11:36 PM	Sheet 1 of 1	
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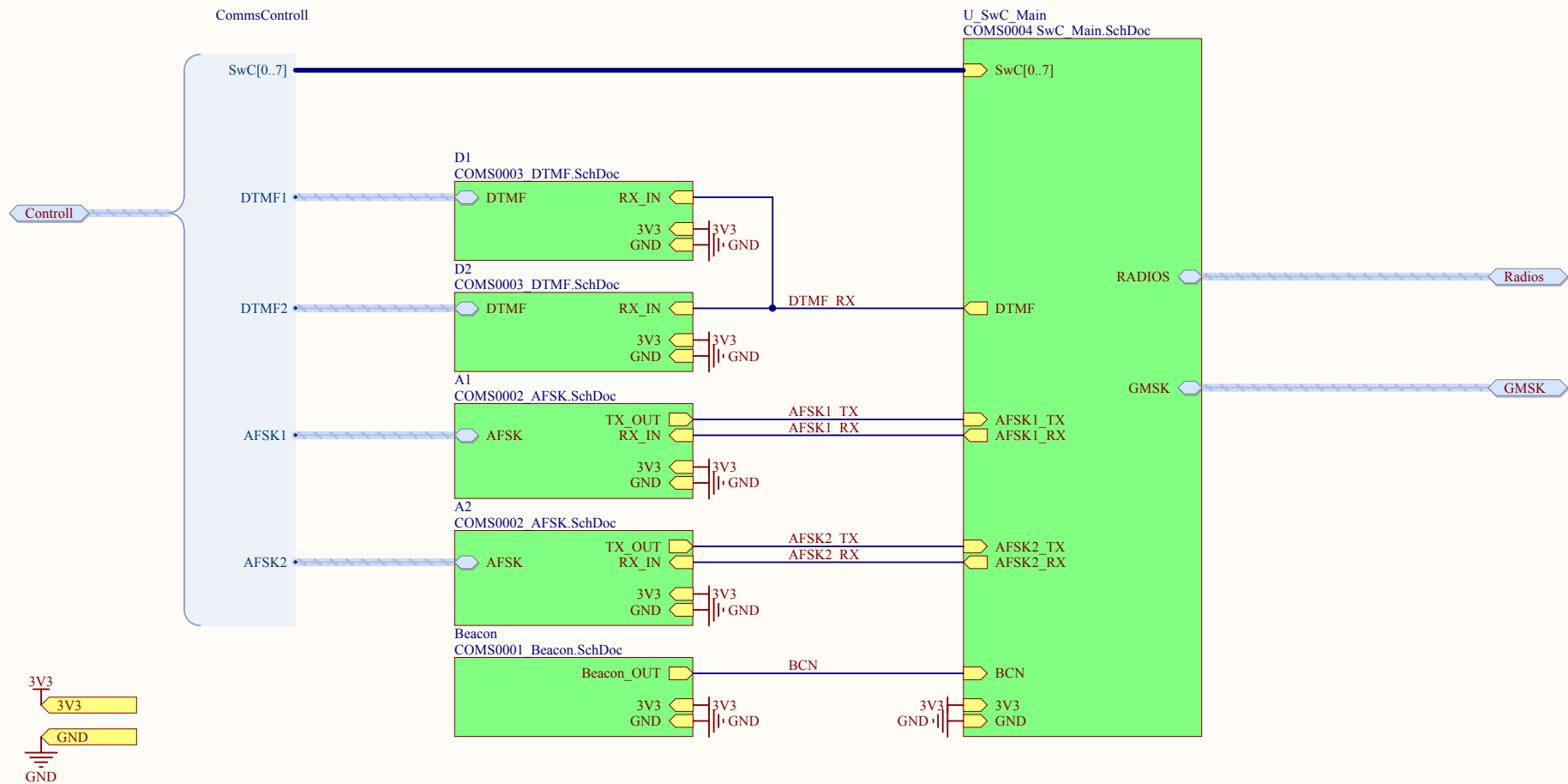
BLUESat Project
Room 419
School of EE&T
UNSW, NSW 2052
Australia

BLUESAT
UNSW STUDENT SATELLITE PROJECT

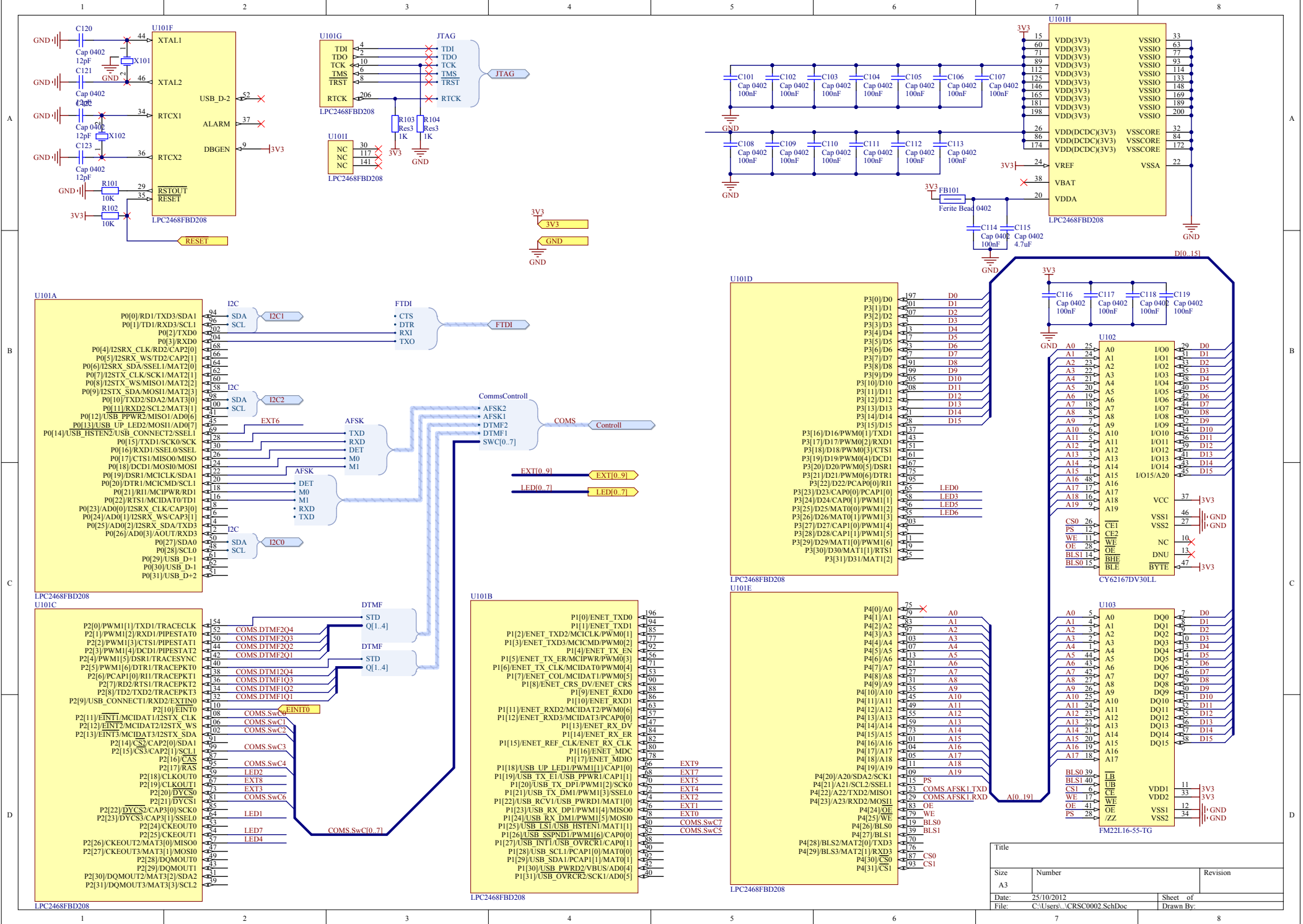




Title BLUESat AFSK Modem		BLUESat Project Room 419 School of EE&T UNSW, NSW 2052 Australia	 UNSW STUDENT SATELLITE PROJECT
Description: AFSK modem based on CML MX614 IC			
Author: C. WEBB, M. WENKE	Drawing No.: COMS0002		
Size: A3	Version: 1.0		
Date: 25/10/2012	Time: 1:11:36 PM	Sheet: 1 of 1	
File: C:\Users\BLUESAT\Desktop\BLUESat SVN\B Bus\B3 Groundstation Link (Comms)\B3.1 Demodulation\COMS0002_AFSK_SchDoc			



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Title			Revision		
Size			Number		
Date:			25/10/2012		
File:			C:\Users\... \CRSC0002.SchDoc		
Sheet			of		
Drawn By:					

A

B

C

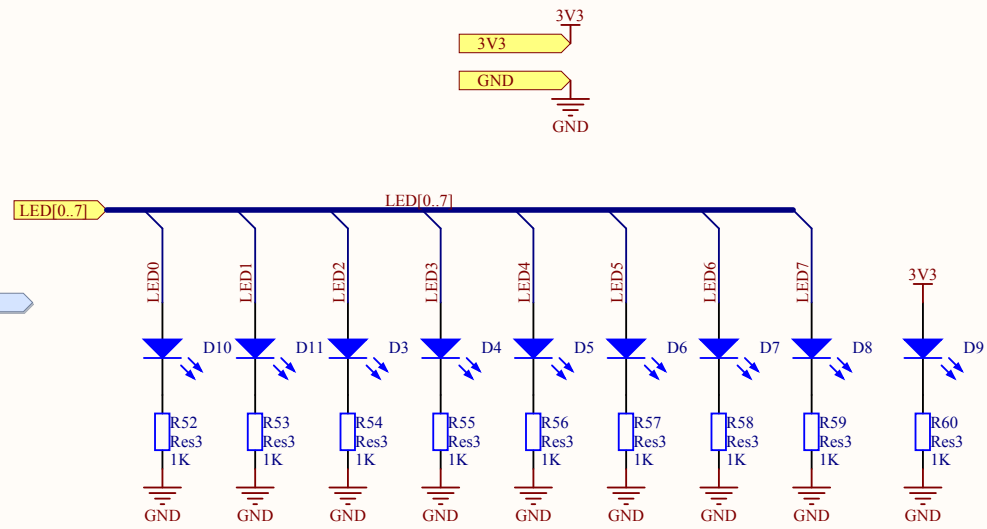
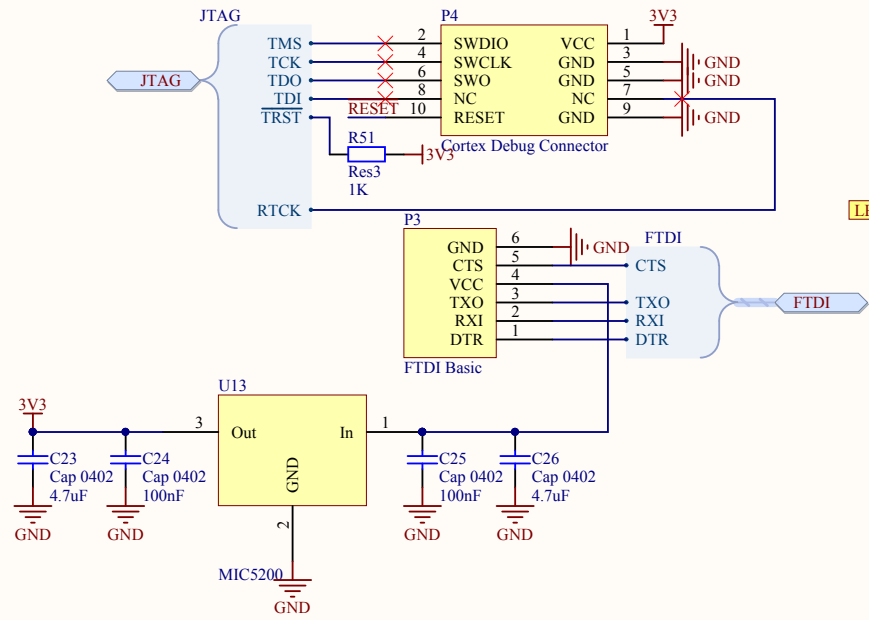
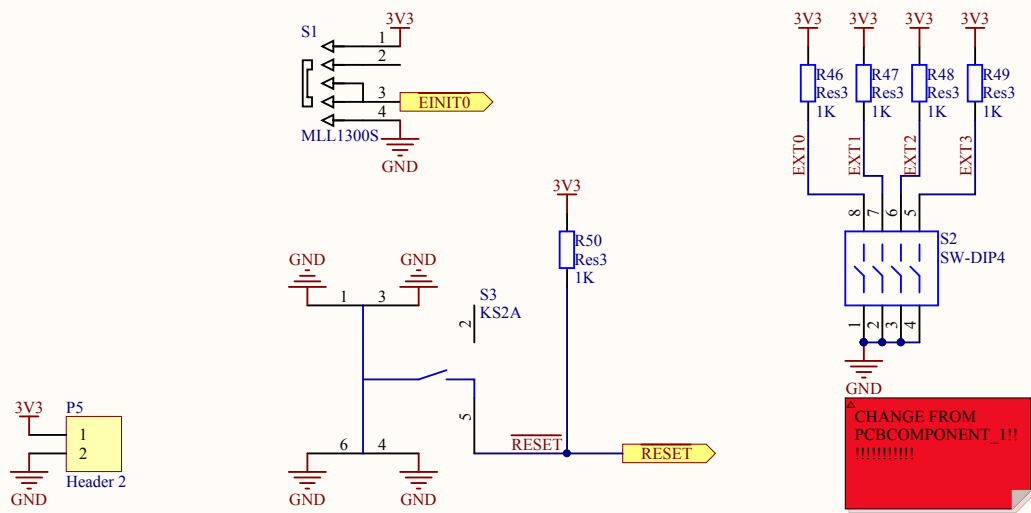
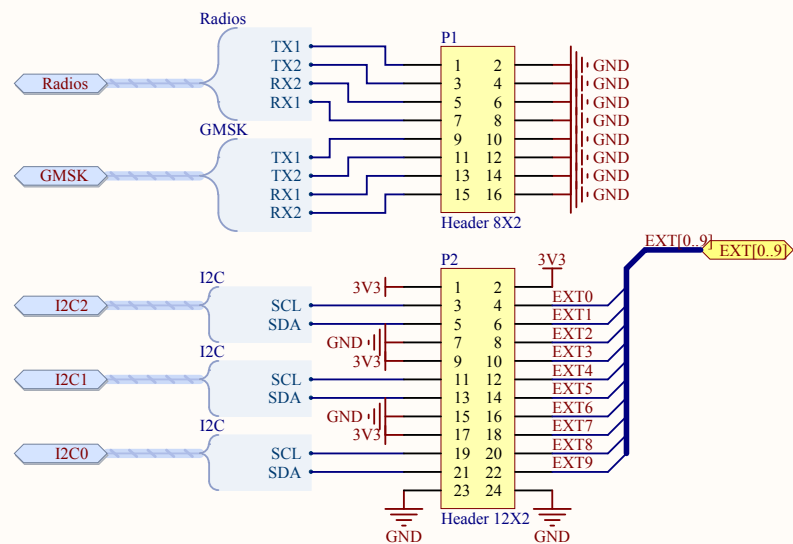
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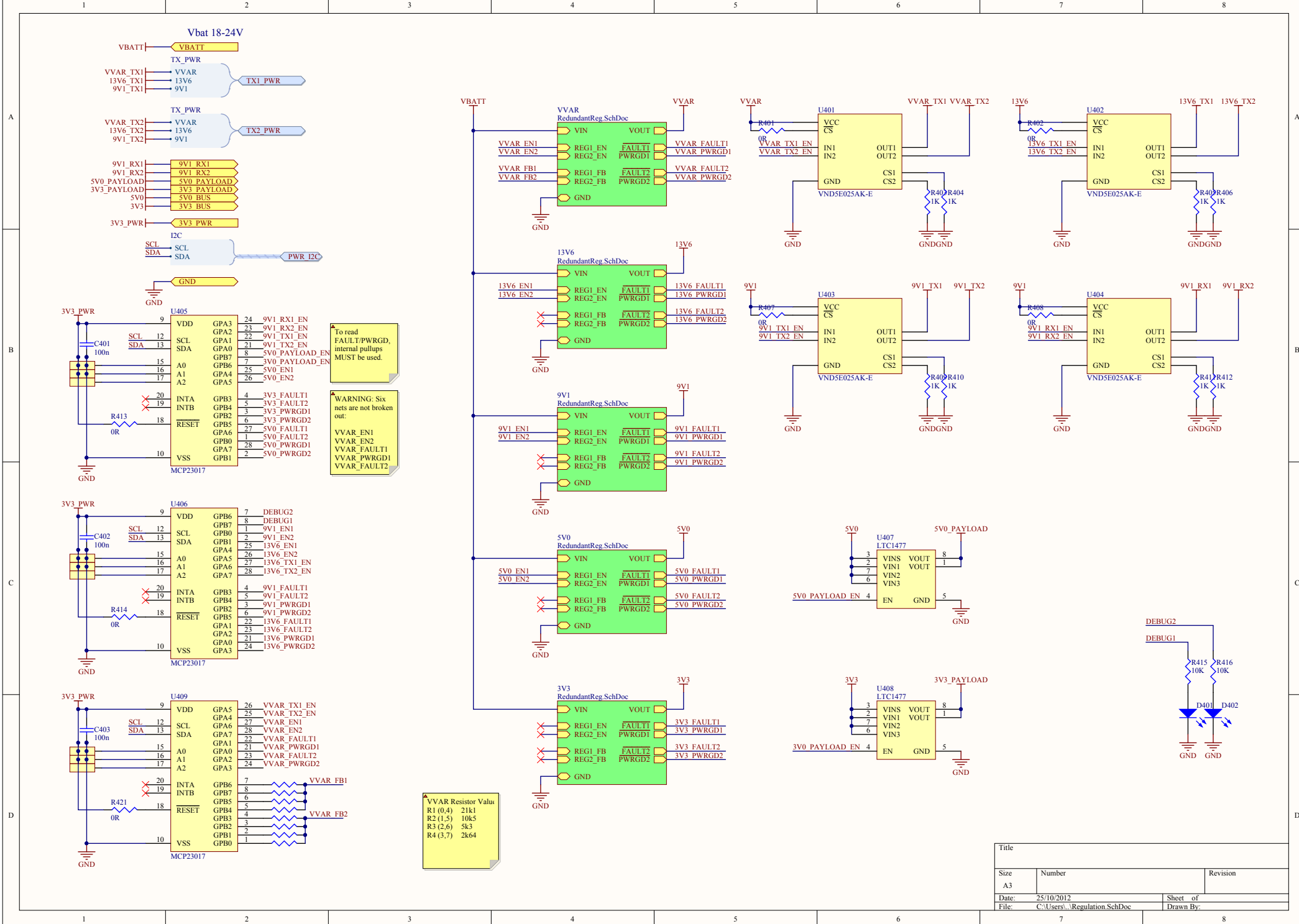
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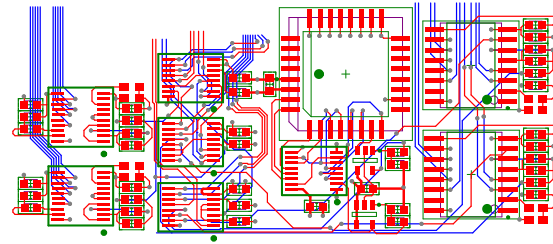
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Title		
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Alexis Shaw Daniel Jedrychowski

P5
GND 3V3

P3
FTDI - 5V VCC ONLY

DTR
RX1
TX0
5V0
CTS
GND

RST

SI RUN NC TSP

BLUEsat CSC/Comms

TX1
TX2
RX1
RX2
G_TX1
G_TX2
G_RX1
G_RX2

1

11

21

PWR