

4

3

2

1

ESH_AUX_VCC

SCHOTTKY DIODE

D1

L5

10uH

SOLAR CONTROLLER

LTC3105EDD

Solar Pannels

J1

SOLAR_CELL_POWER

PWR

1

GND

2

GND

C2

10uF

GND

SOLAR_CTRL_SHDN_N

R22

40.2k

C54

1uF

GND

6

VIN

7

SW

9

VOUT

1

FB

2

LDO

4

SHDN_N

10

AUX

11

GND

8

PGOOD

3

FBLDO

R24

1.02M

1%

R23

332k

1%

C110

4.7uF

C53

10uF

PWR_MAIN

R21

24k

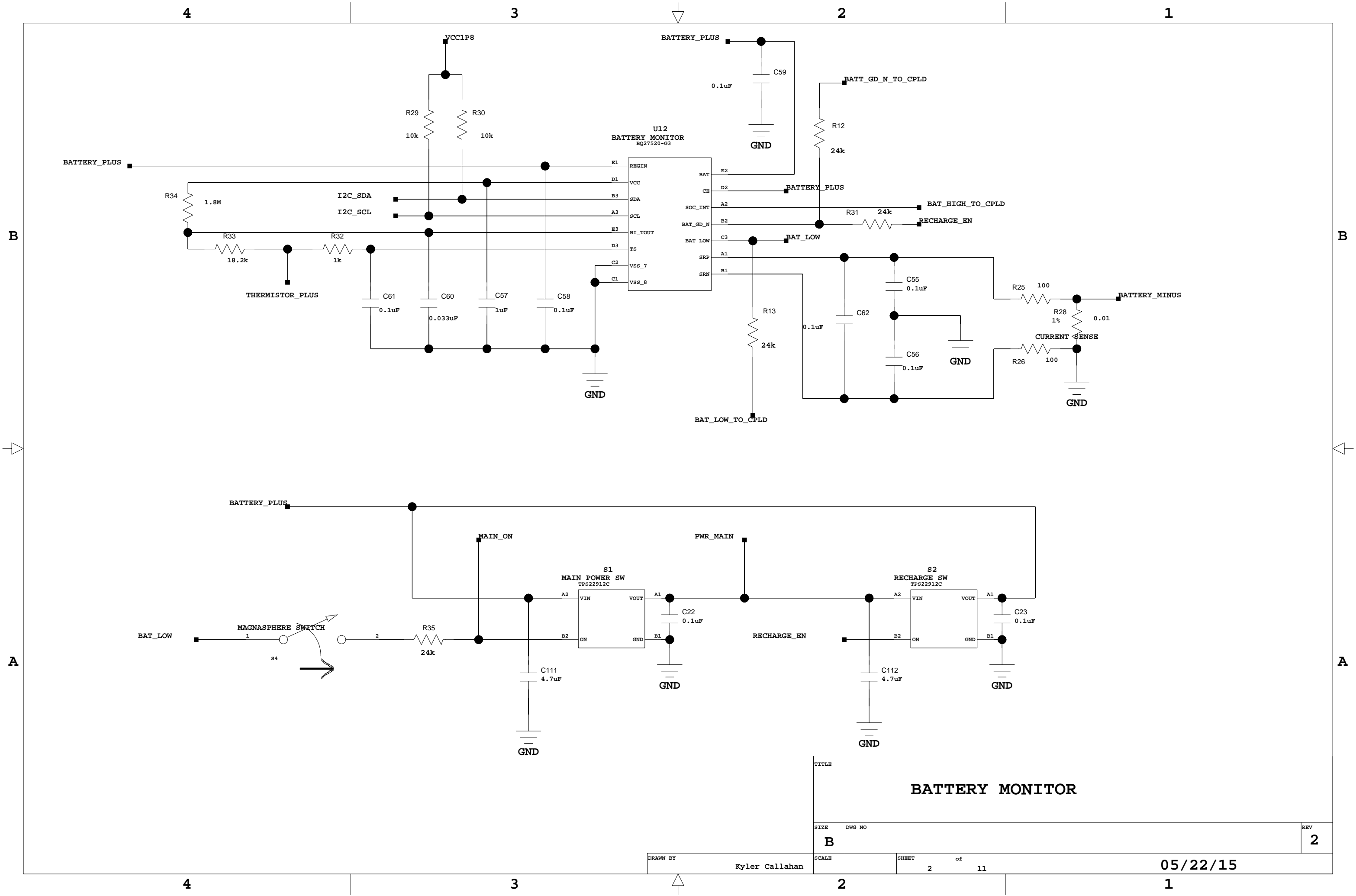
SOLAR_CTRL_ON_TO_CPLD

SOLAR_PGOOD_TO_CPLD

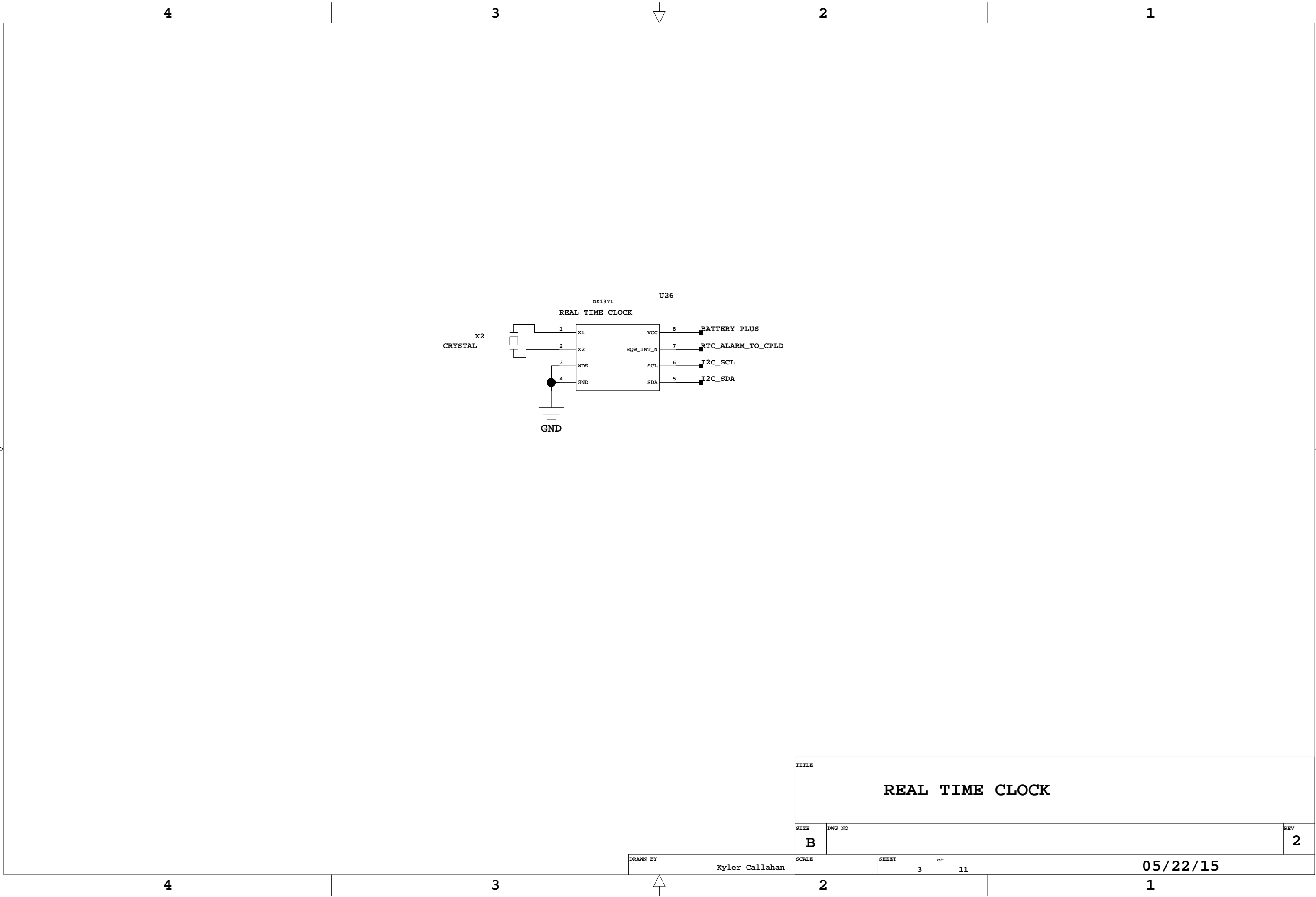
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SOLAR CONTROLLER			
SIZE	DWG NO	REV	
B		2	
SCALE	SHEET	of	05/22/15
	1	11	

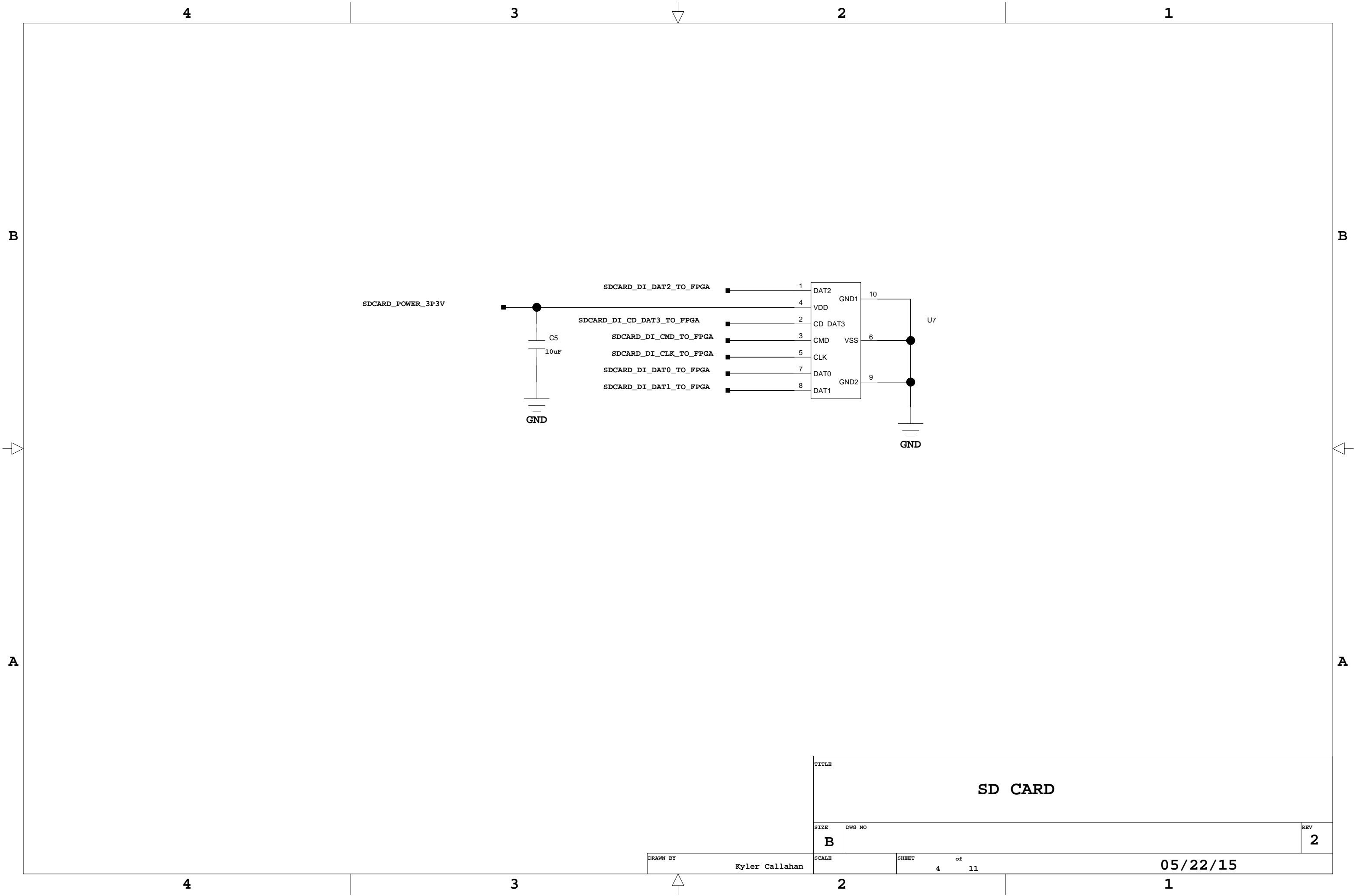
DRAWN BY

Kyler Callahan



TITLE			
BATTERY MONITOR			
SIZE	DWG NO	REV	
B		2	
SCALE	SHEET	of	DATE
	2	11	05/22/15



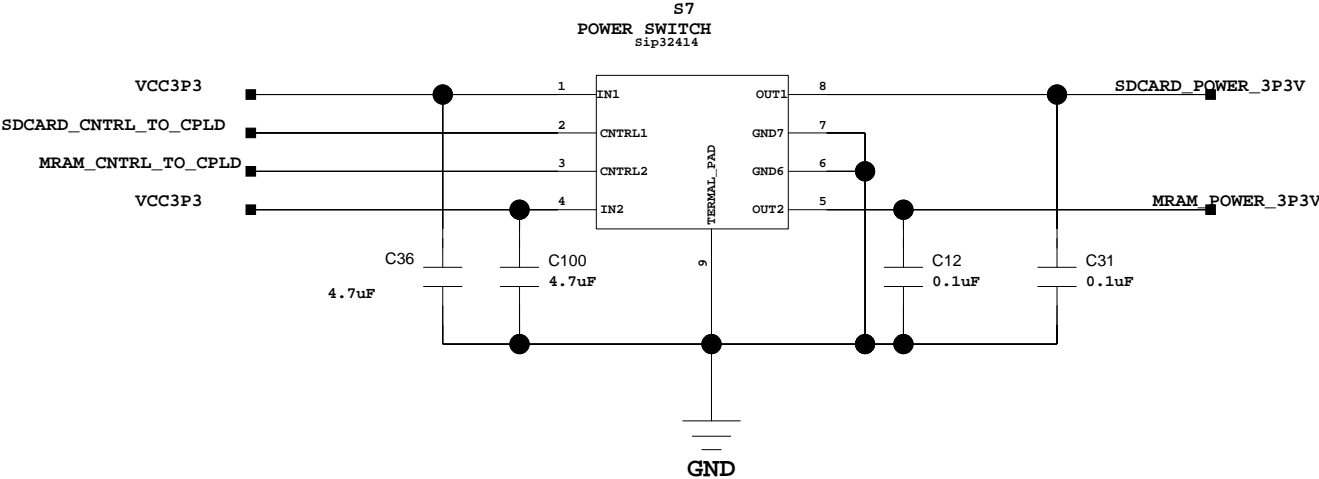


TITLE			
SD CARD			
SIZE	DWG NO	REV	
B		2	
SCALE	SHEET	of	05/22/15
	4	11	

DRAWN BY
Kyler Callahan

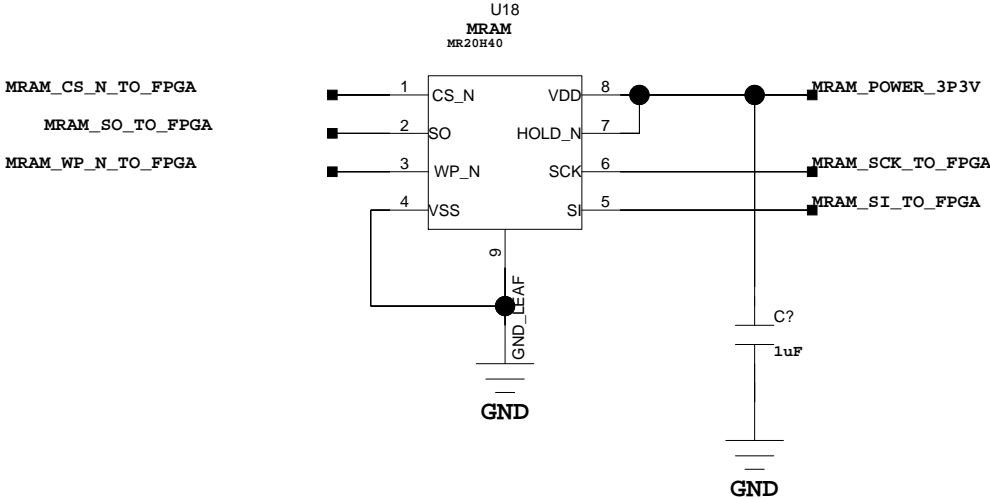
B

B



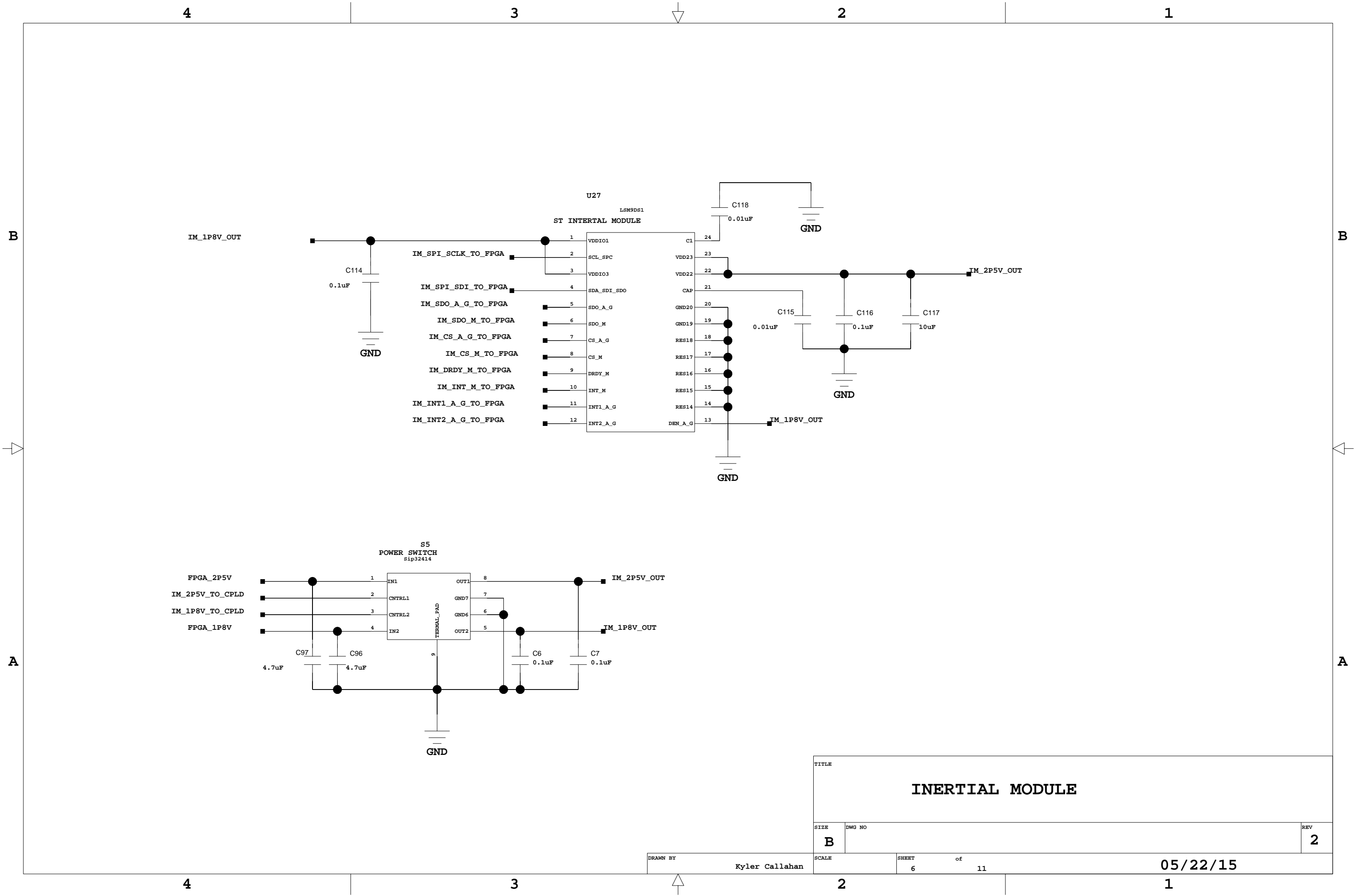
A

A



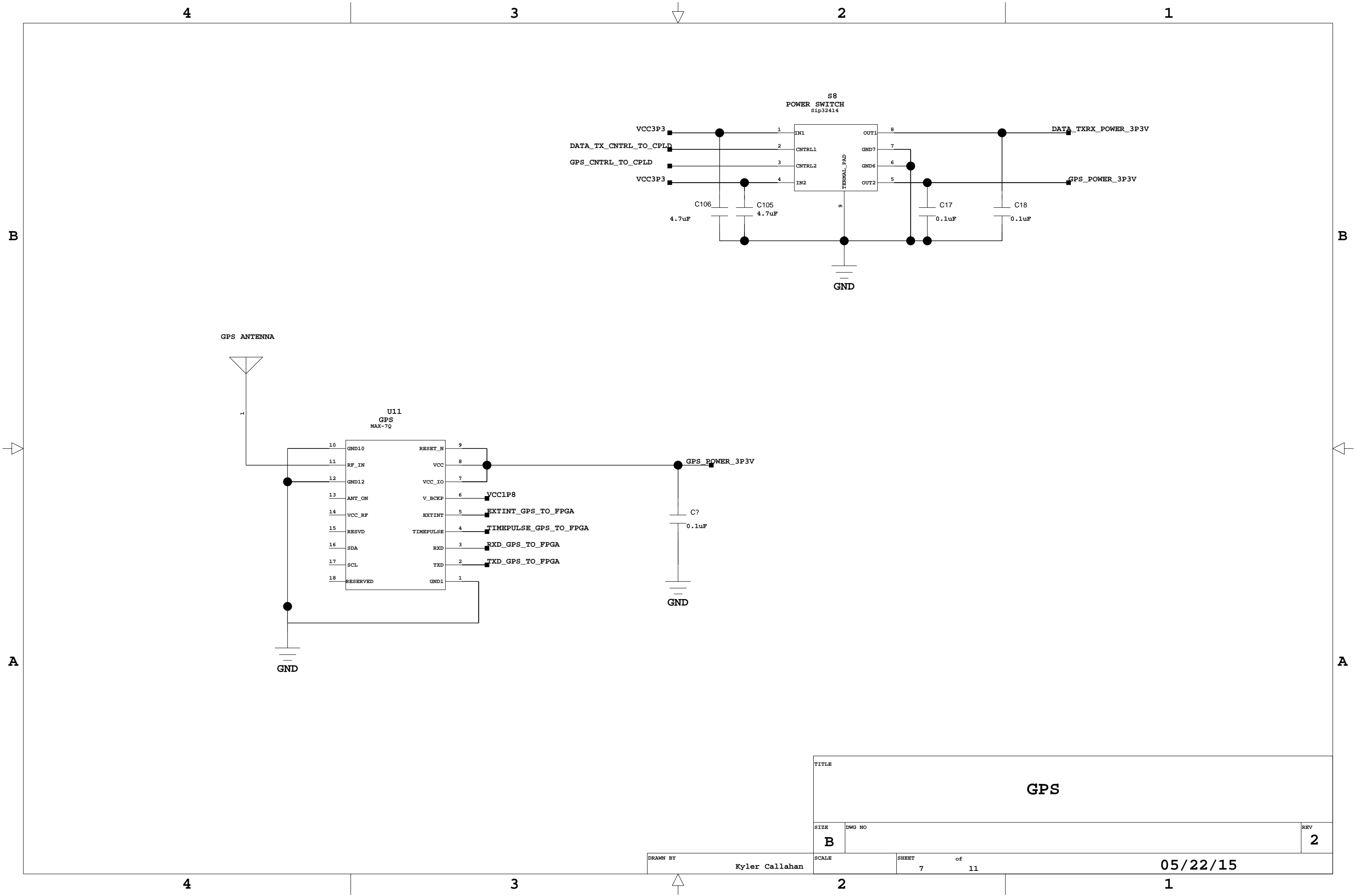
TITLE		MRAM	
SIZE	DWG NO		REV
B			2
SCALE	SHEET	of	05/22/15
	5	11	

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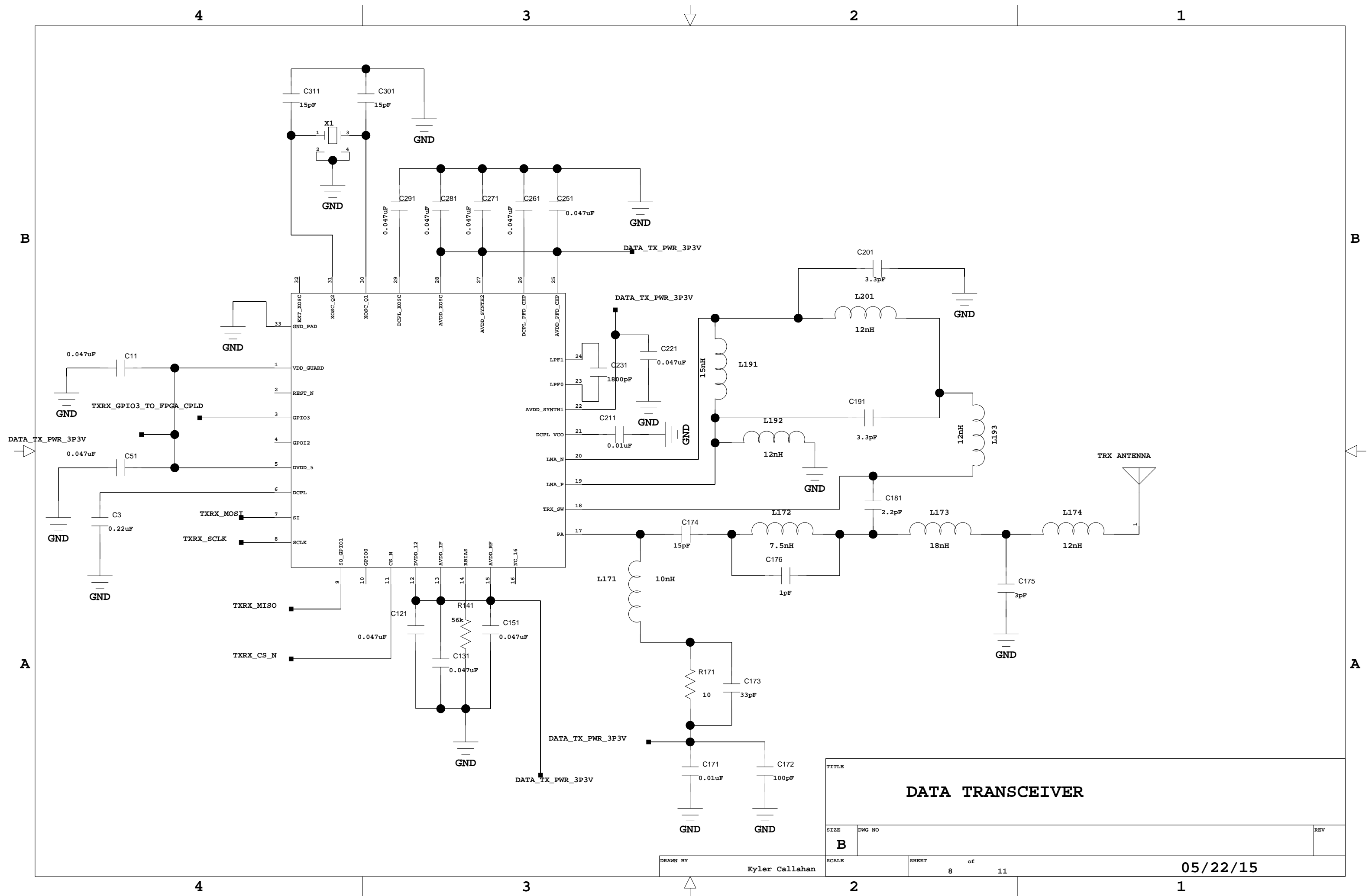
TITLE			
INERTIAL MODULE			
SIZE	DWG NO	REV	
B		2	
SCALE	SHEET	of	05/22/15
	6	11	

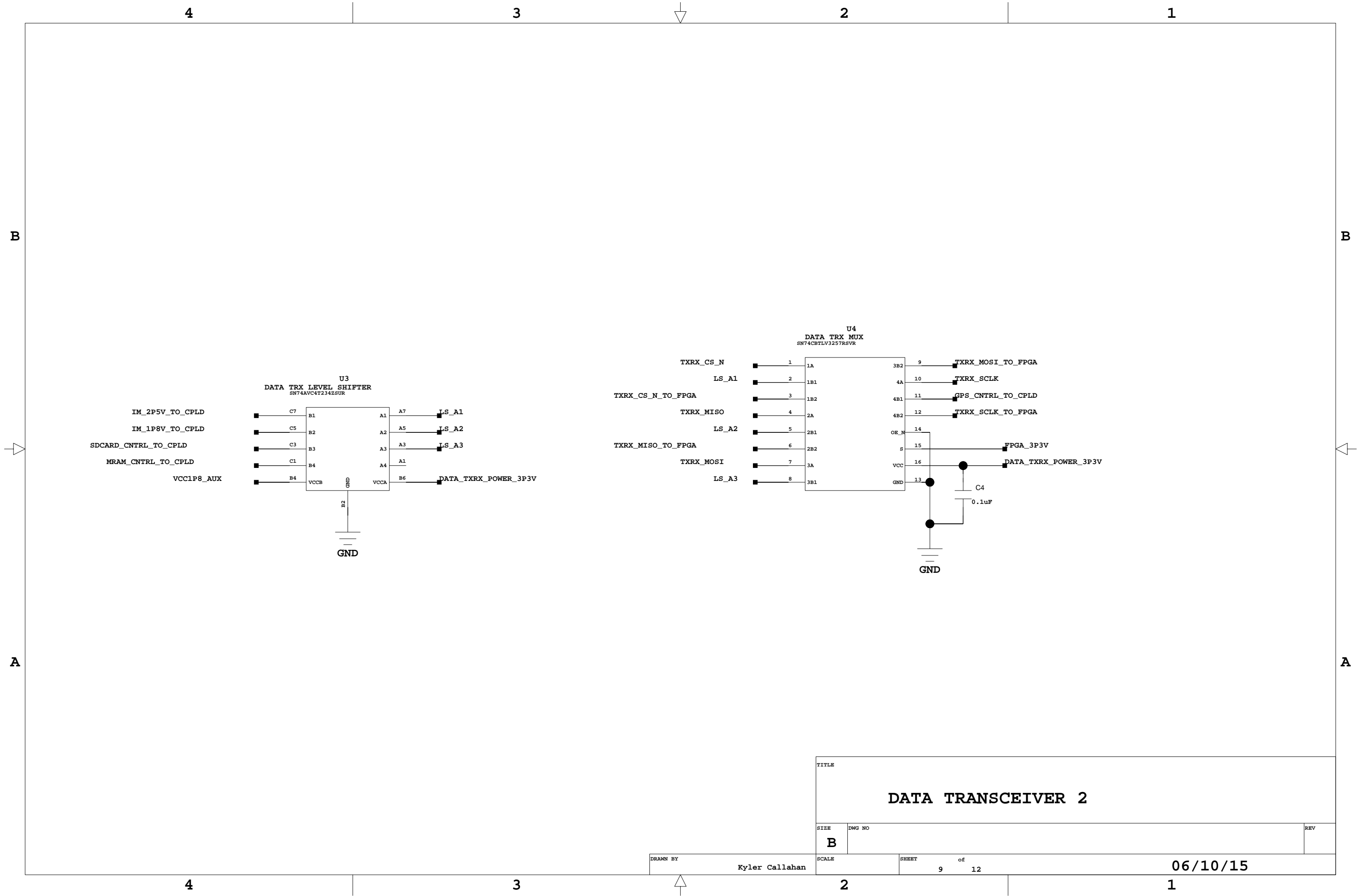
DRAWN BY
Kyler Callahan



TITLE			
GPS			
SIZE	DWG NO	REV	
B		2	
SCALE	SHEET	of	DATE
	7	11	05/22/15

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4

3

2

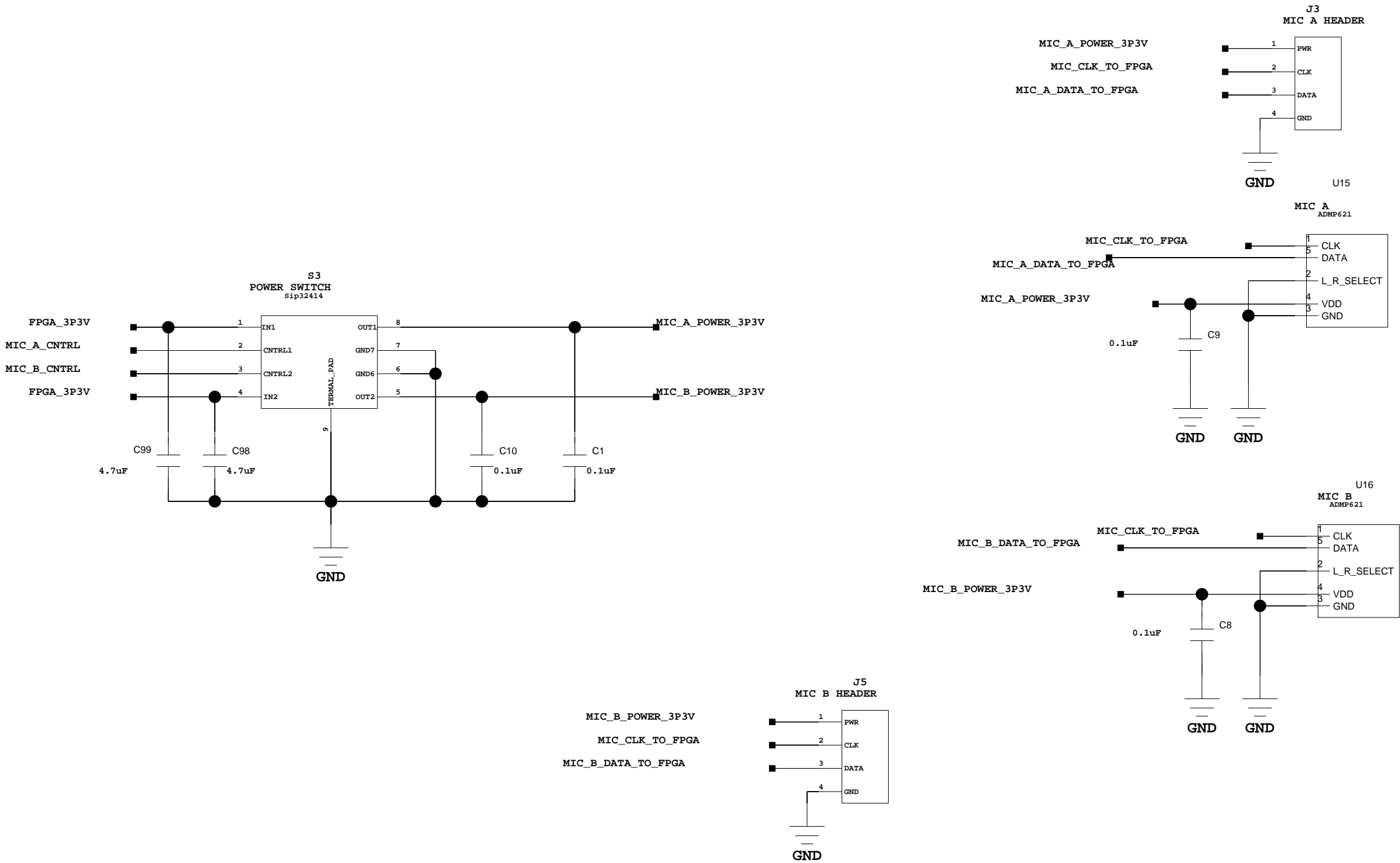
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B

B

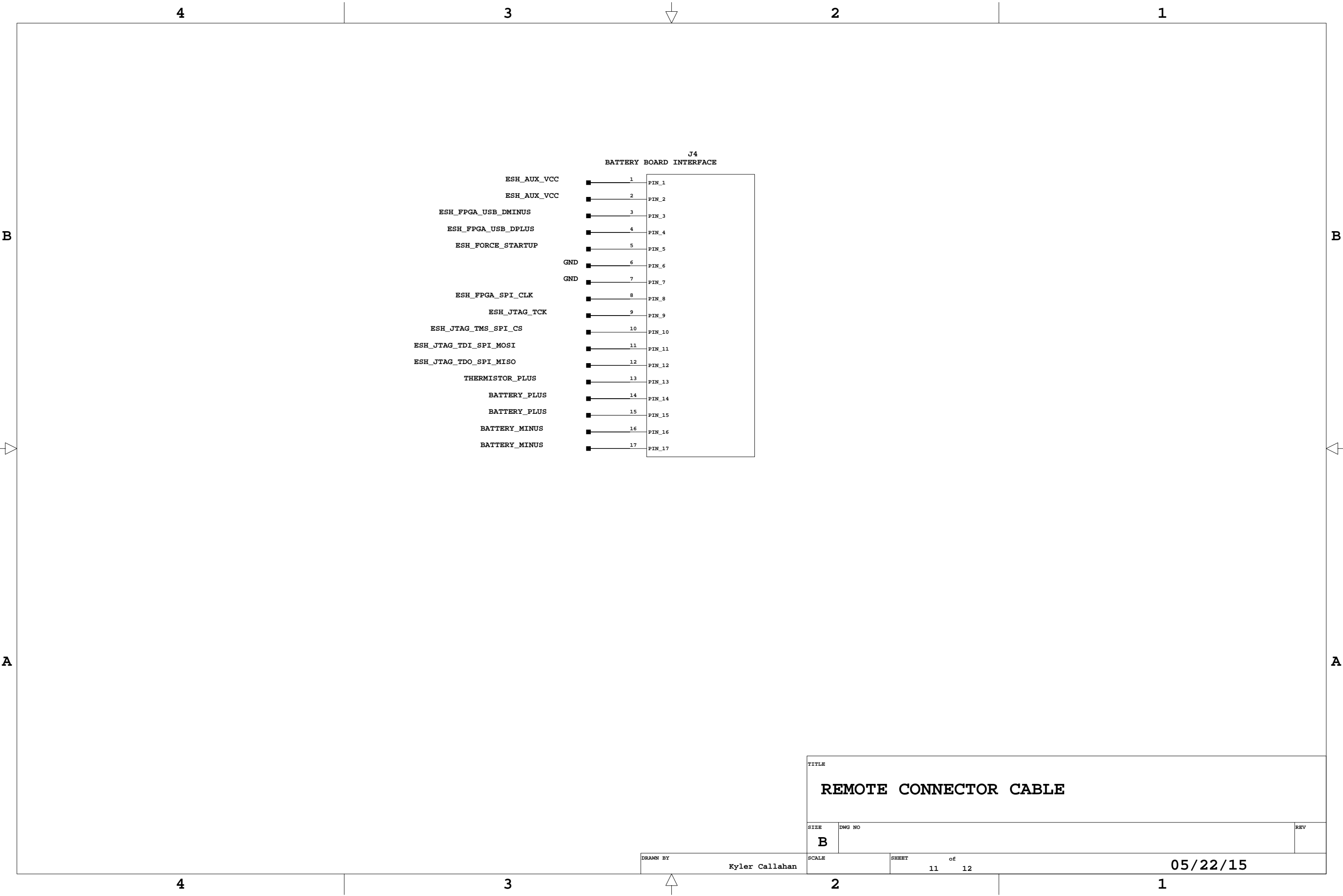
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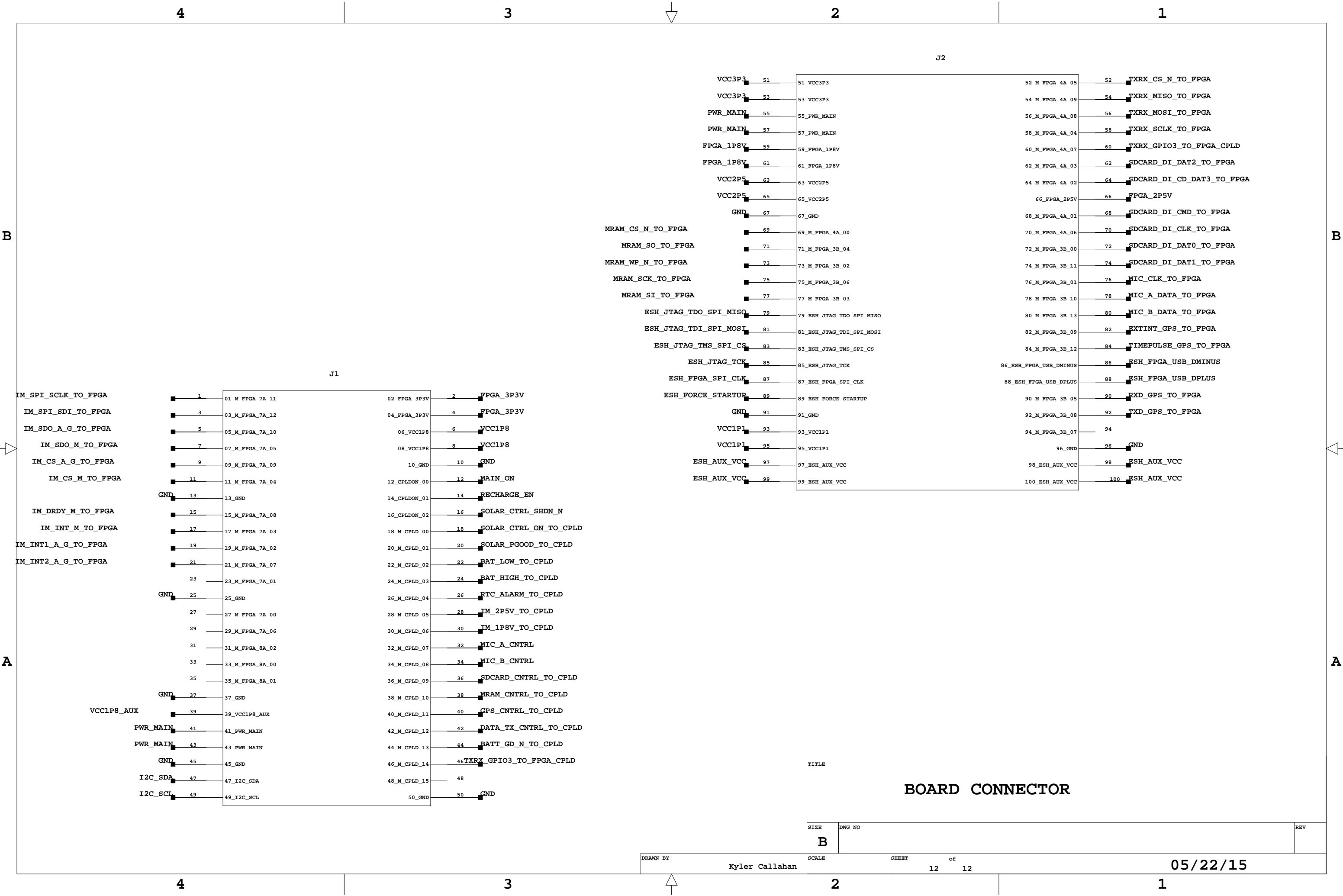
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TITLE			
MICROPHONES			
SIZE	DWG NO	REV	
B		2	
SCALE	SHEET	of	05/22/15
	10	12	

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TITLE			
BOARD CONNECTOR			
SIZE	DWG NO	REV	
B			
SCALE	SHEET	of	
	12	12	