

4

3

2

1

ESH\_AUX\_VCC

SCHOTTKY DIODE

D1

L5

10uH

SOLAR CONTROLLER

LTC3105EDD

Solar Pannels

J1

SOLAR\_CELL\_POWER

PWR

GND

GND

C2

10uF

GND

SOLAR\_CTRL\_SHDN\_N

R22

40.2k

C54

1uF

GND

R24

1.02M

1%

R23

332k

1%

C110

4.7uF

C53

10uF

R21

24k

PWR\_MAIN

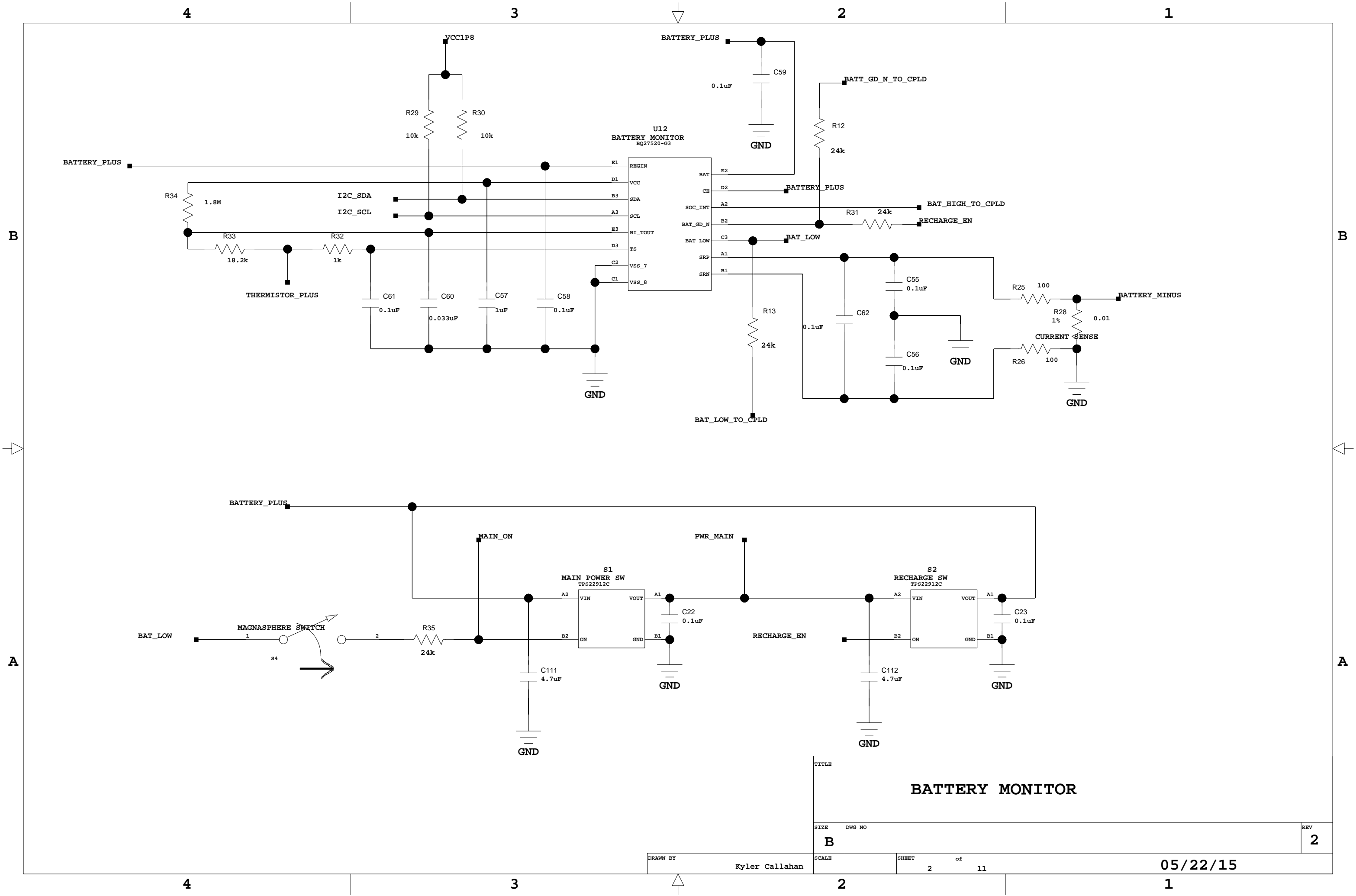
SOLAR\_CTRL\_ON\_TO\_CPLD

SOLAR\_PGOOD\_TO\_CPLD

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

DRAWN BY

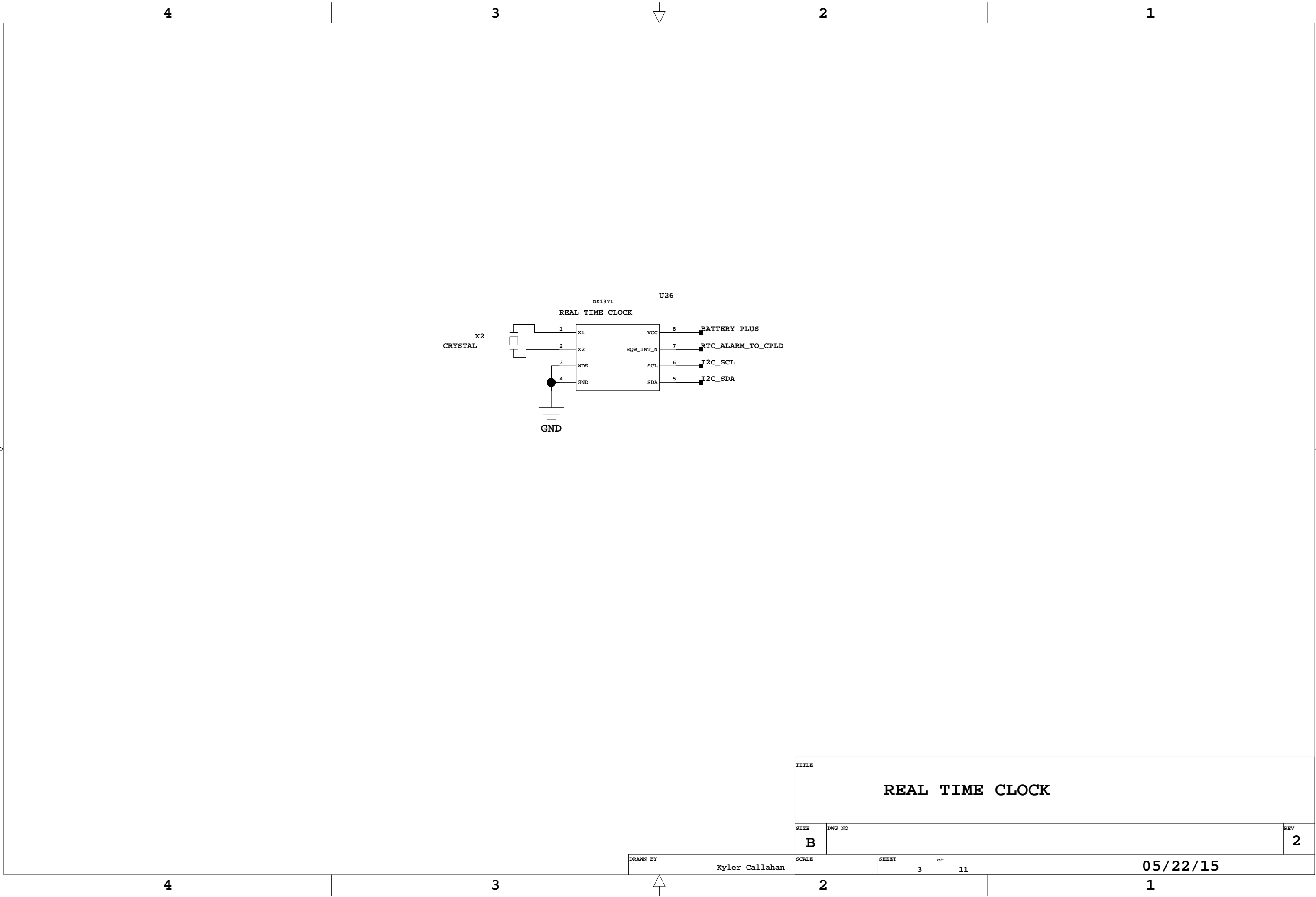
Kyler Callahan

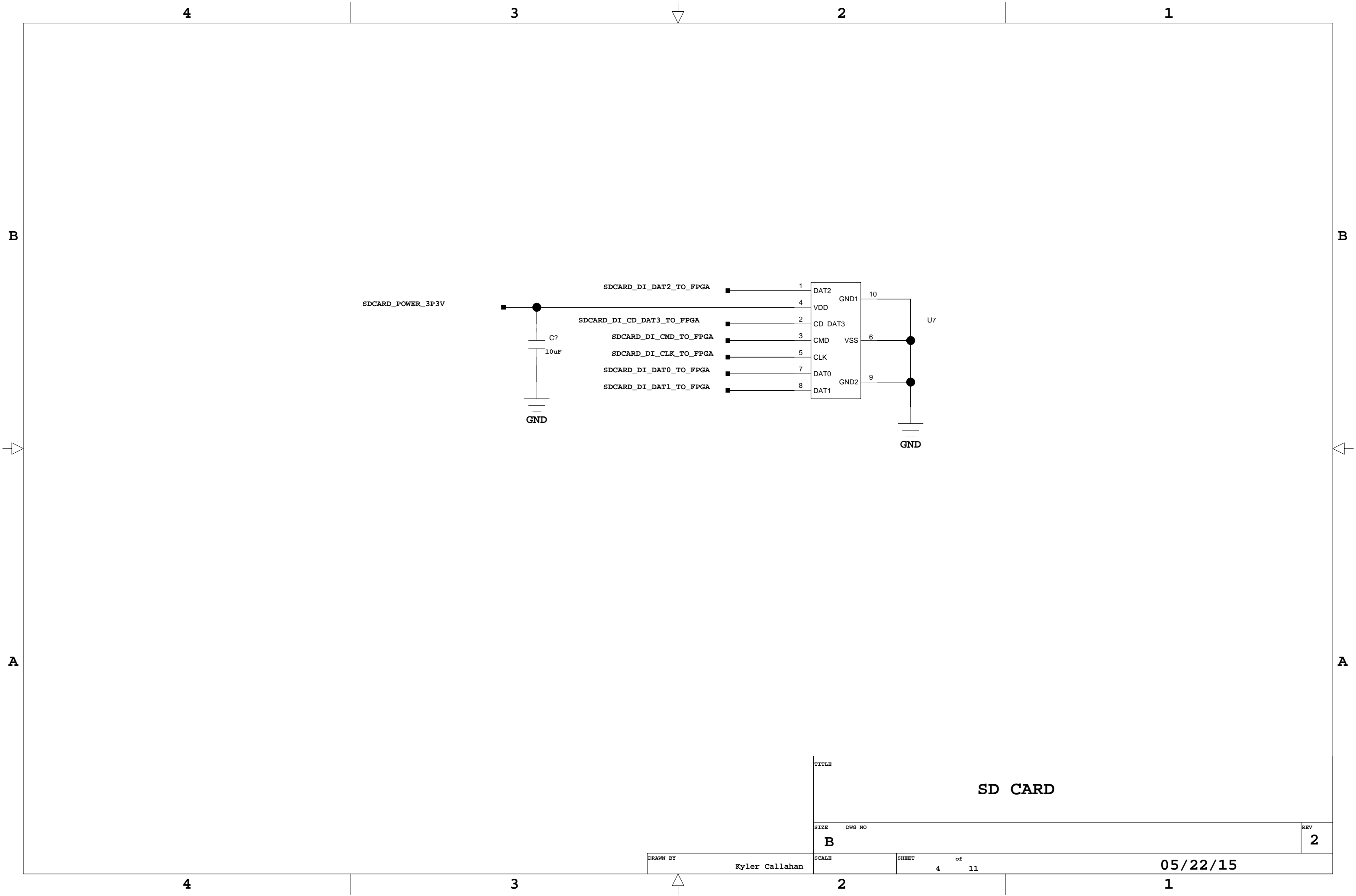


TITLE			
BATTERY MONITOR			
SIZE	DWG NO		
B			
SCALE	SHEET	of	REV
	2	11	2

DRAWN BY  
Kyler Callahan

05/22/15



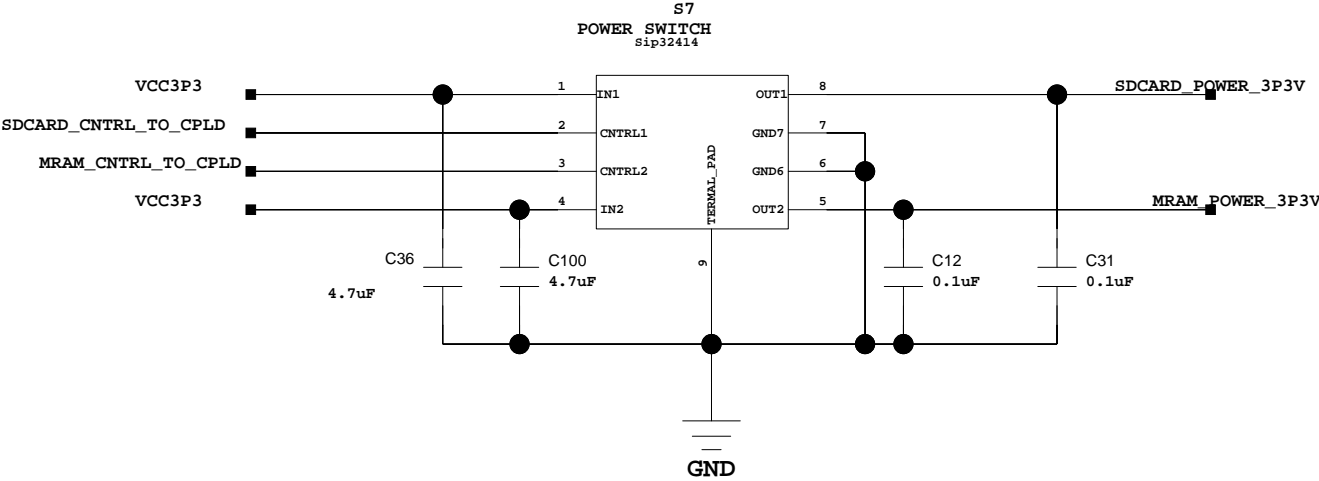


TITLE			
SD CARD			
SIZE	DWG NO	REV	
B		2	
SCALE	SHEET	of	
	4	11	
05/22/15			

DRAWN BY  
Kyler Callahan

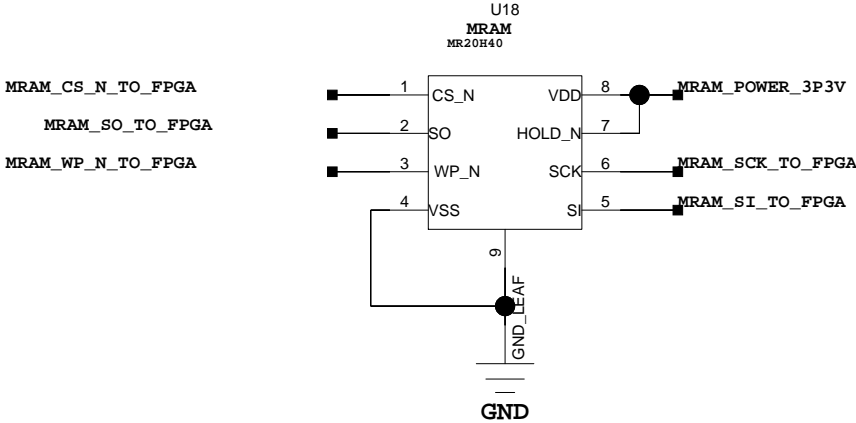
B

B

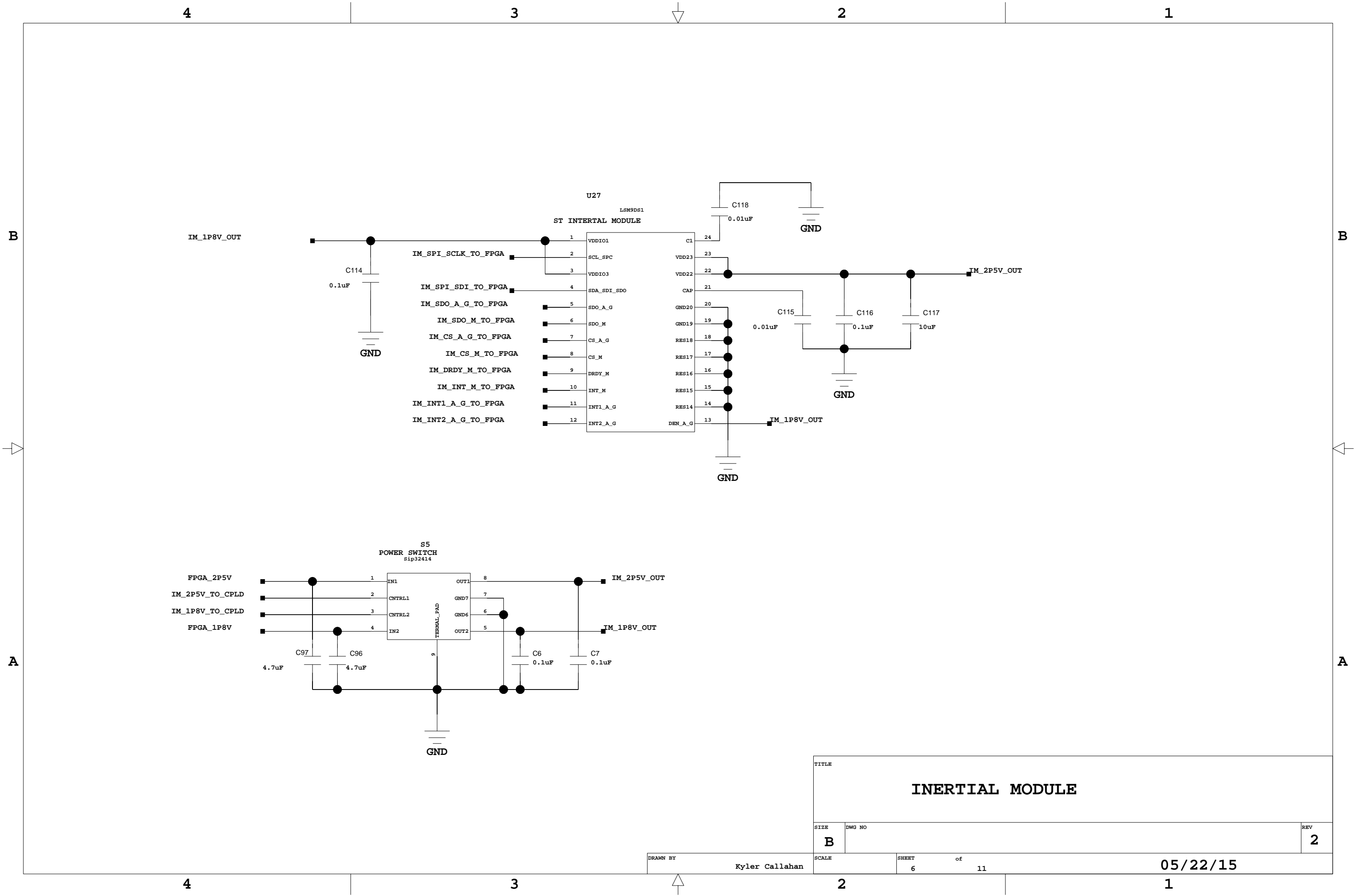


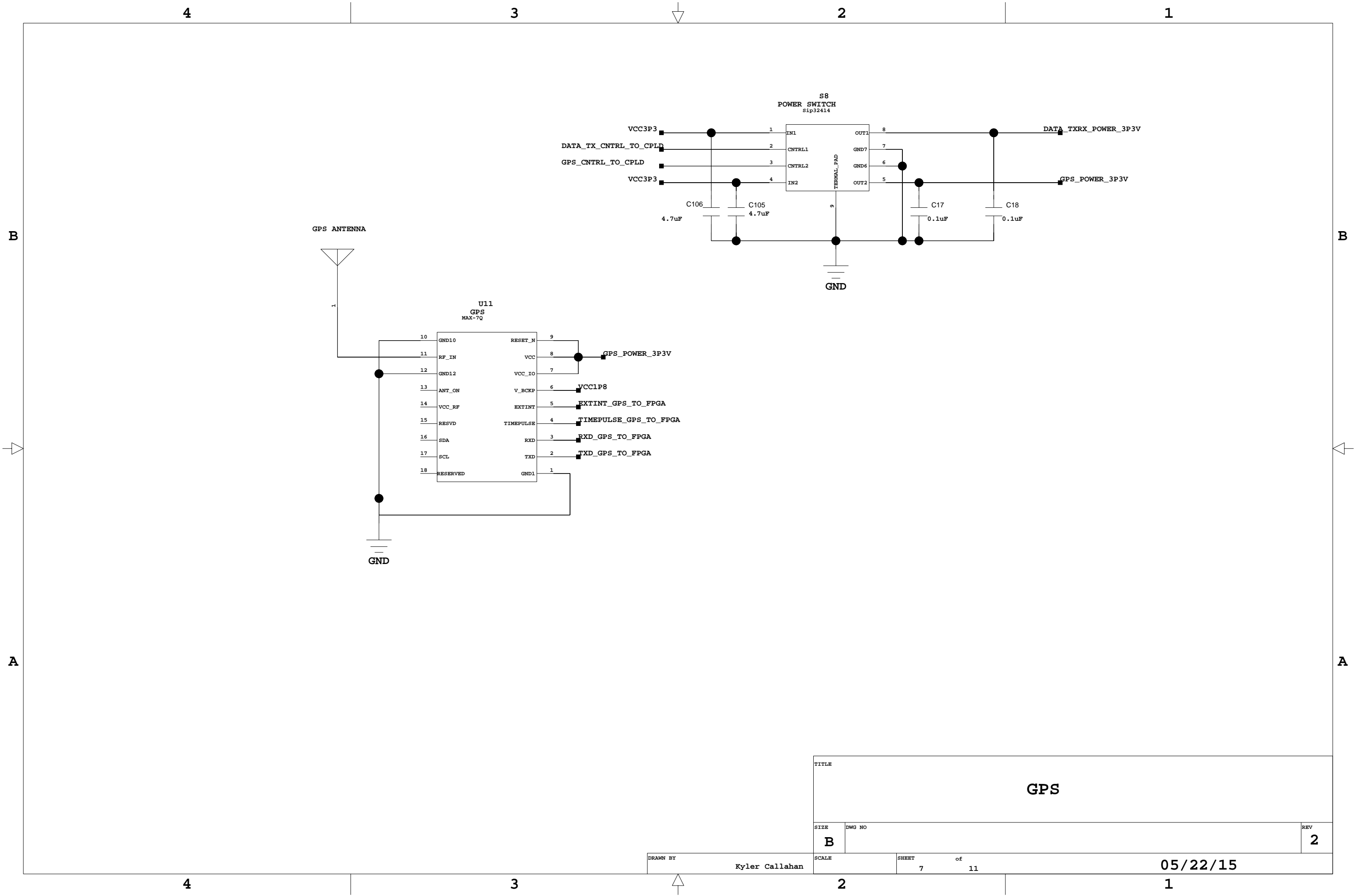
A

A



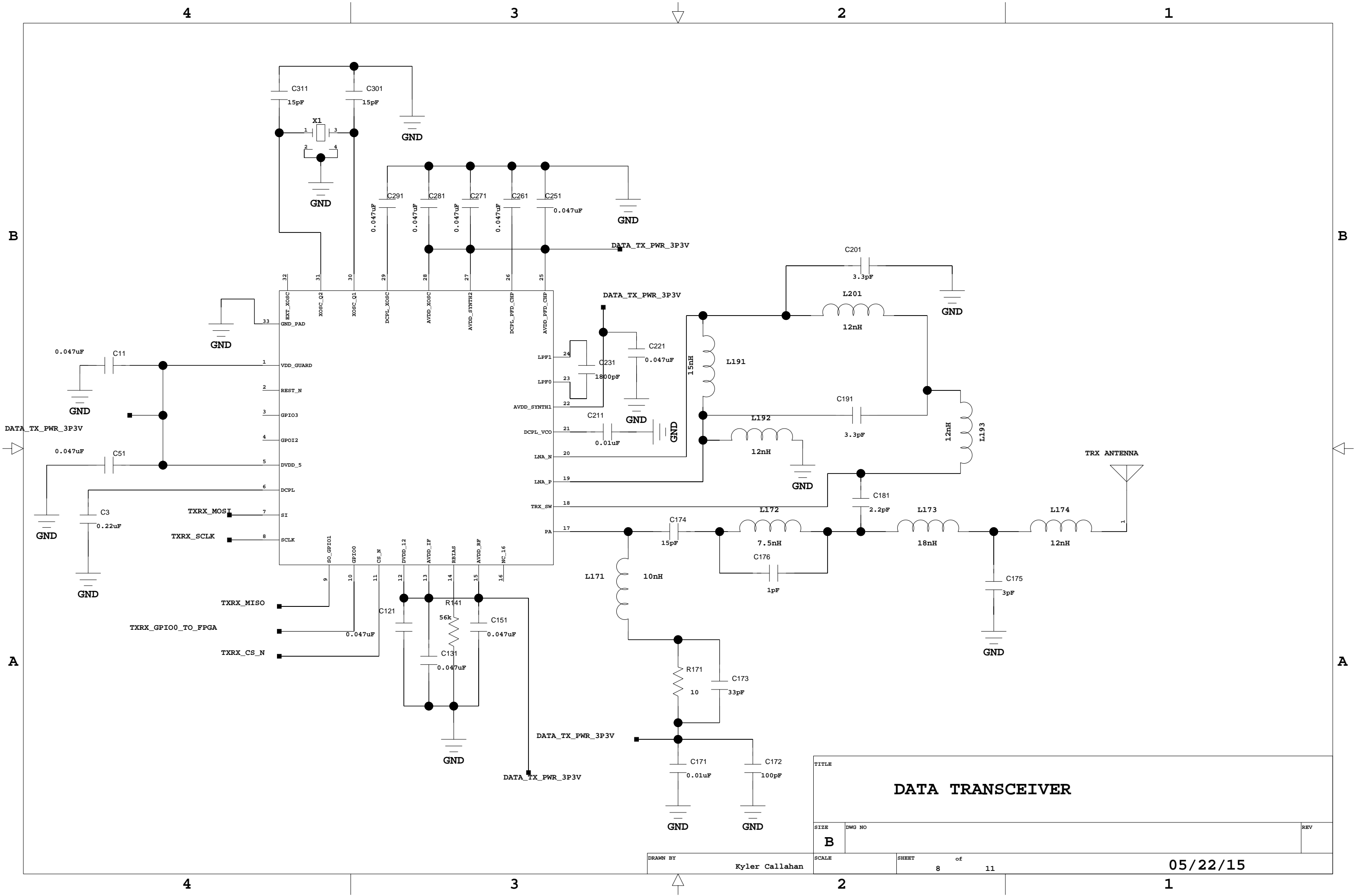
TITLE			
MRAM			
SIZE	DWG NO	REV	
B		2	
SCALE	SHEET	of	05/22/15
	5	11	





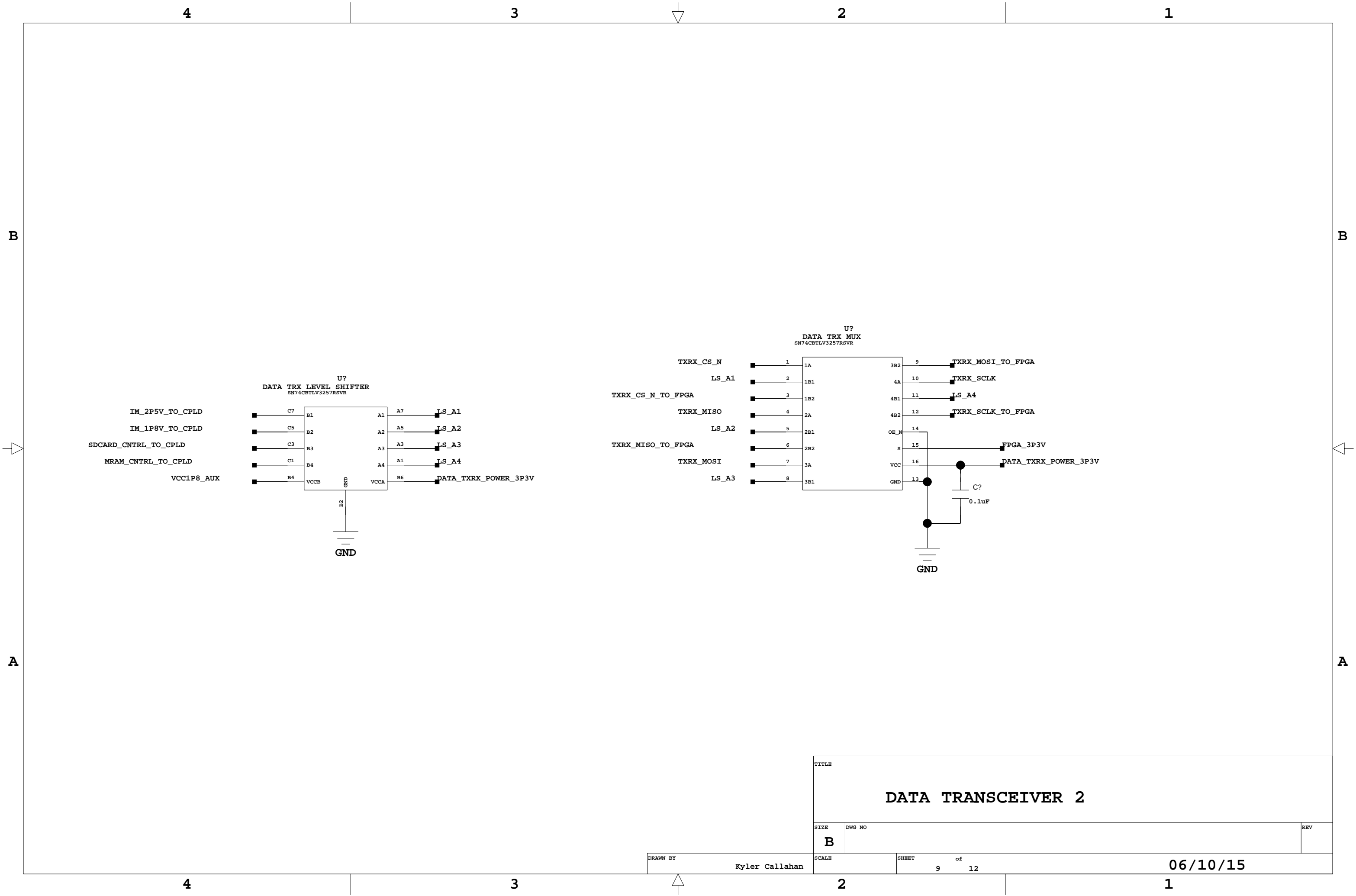
TITLE			
GPS			
SIZE	DWG NO	REV	
B		2	
SCALE	SHEET	of	05/22/15
	7	11	

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Kyler Callahan



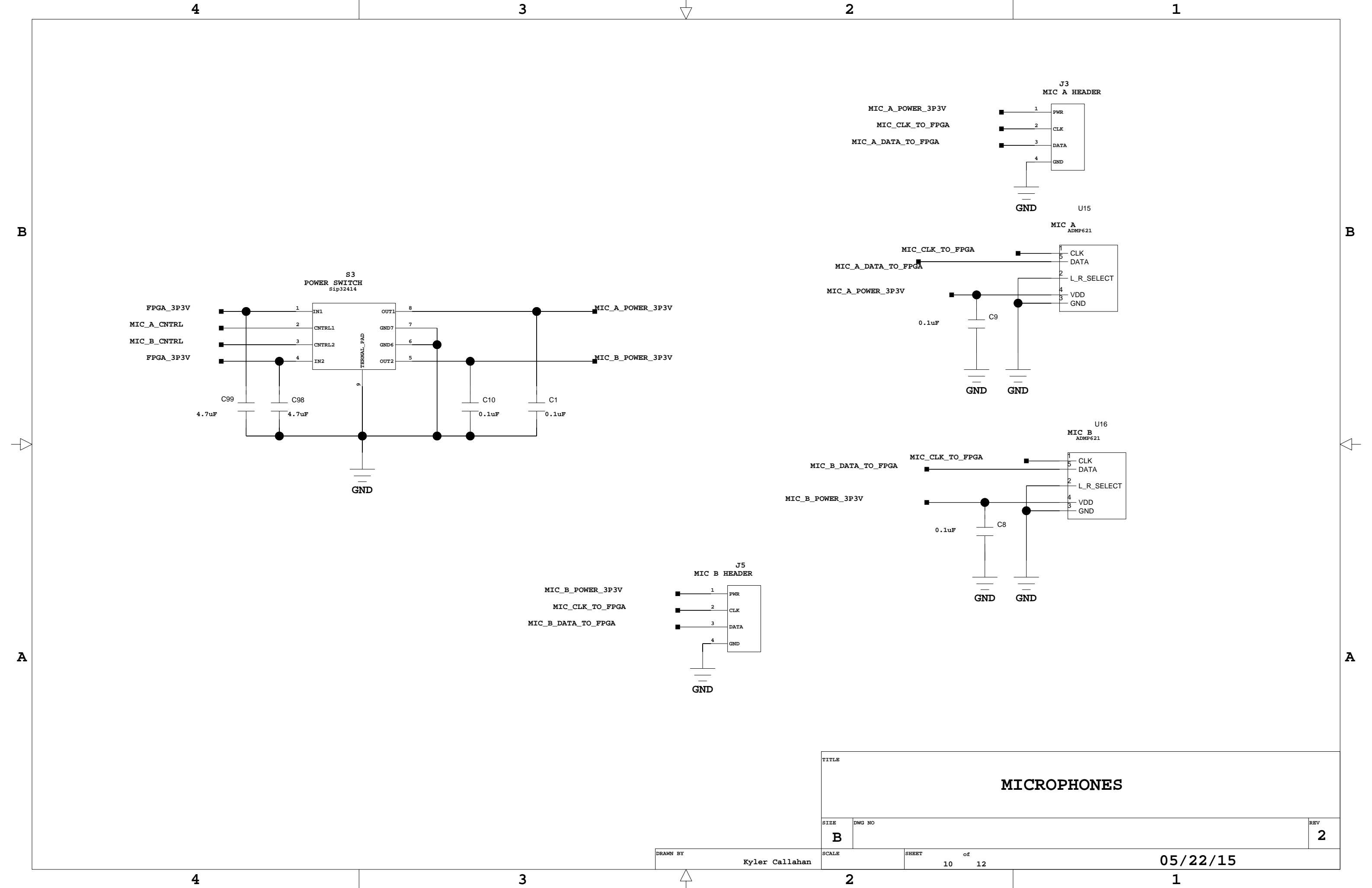
TITLE			
DATA TRANSCEIVER			
SIZE	DWG NO	REV	
B			
SCALE	SHEET	of	
	8	11	

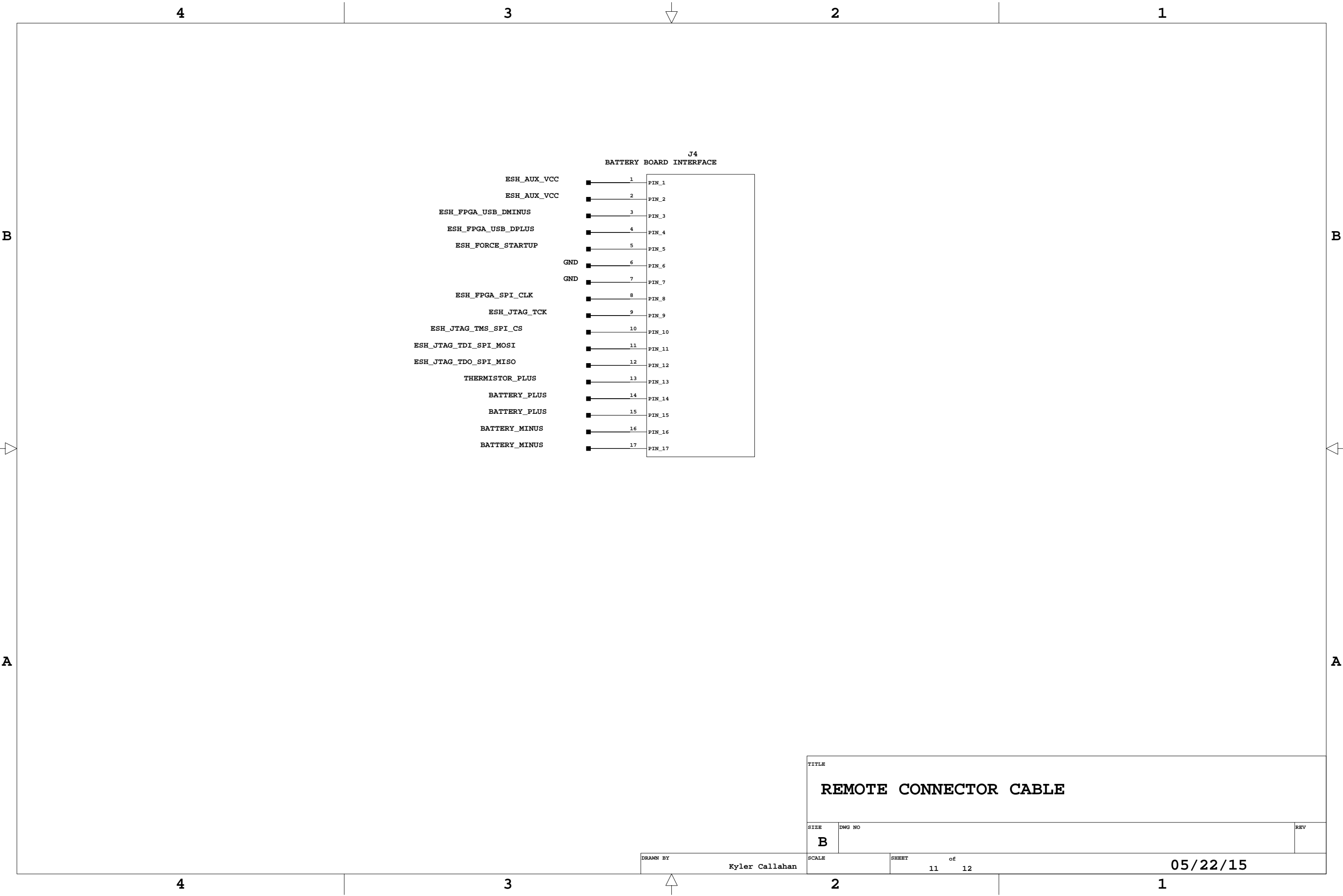




TITLE			
DATA TRANSCEIVER 2			
SIZE	DWG NO	REV	
B			
SCALE	SHEET	of	
	9	12	
06/10/15			

DRAWN BY  
Kyler Callahan





TITLE

REMOTE CONNECTOR CABLE

SIZE

B

DWG NO

REV

DRAWN BY

Kyler Callahan

SCALE

SHEET

11

of

12

05/22/15

4

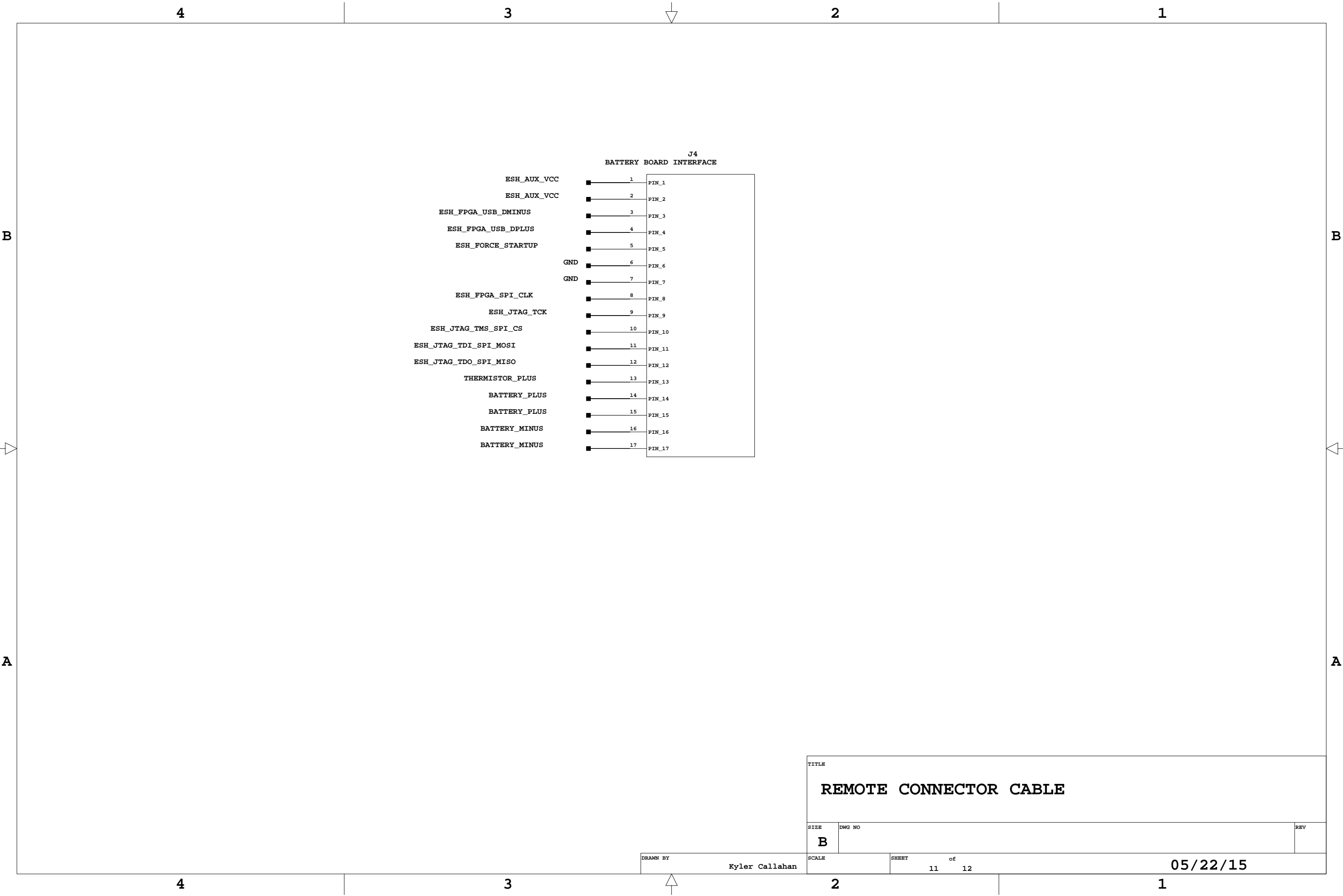
3

2

1

A

B



TITLE

REMOTE CONNECTOR CABLE

SIZE

B

DWG NO

REV

DRAWN BY

Kyler Callahan

SCALE

SHEET

11

of

12

05/22/15

4

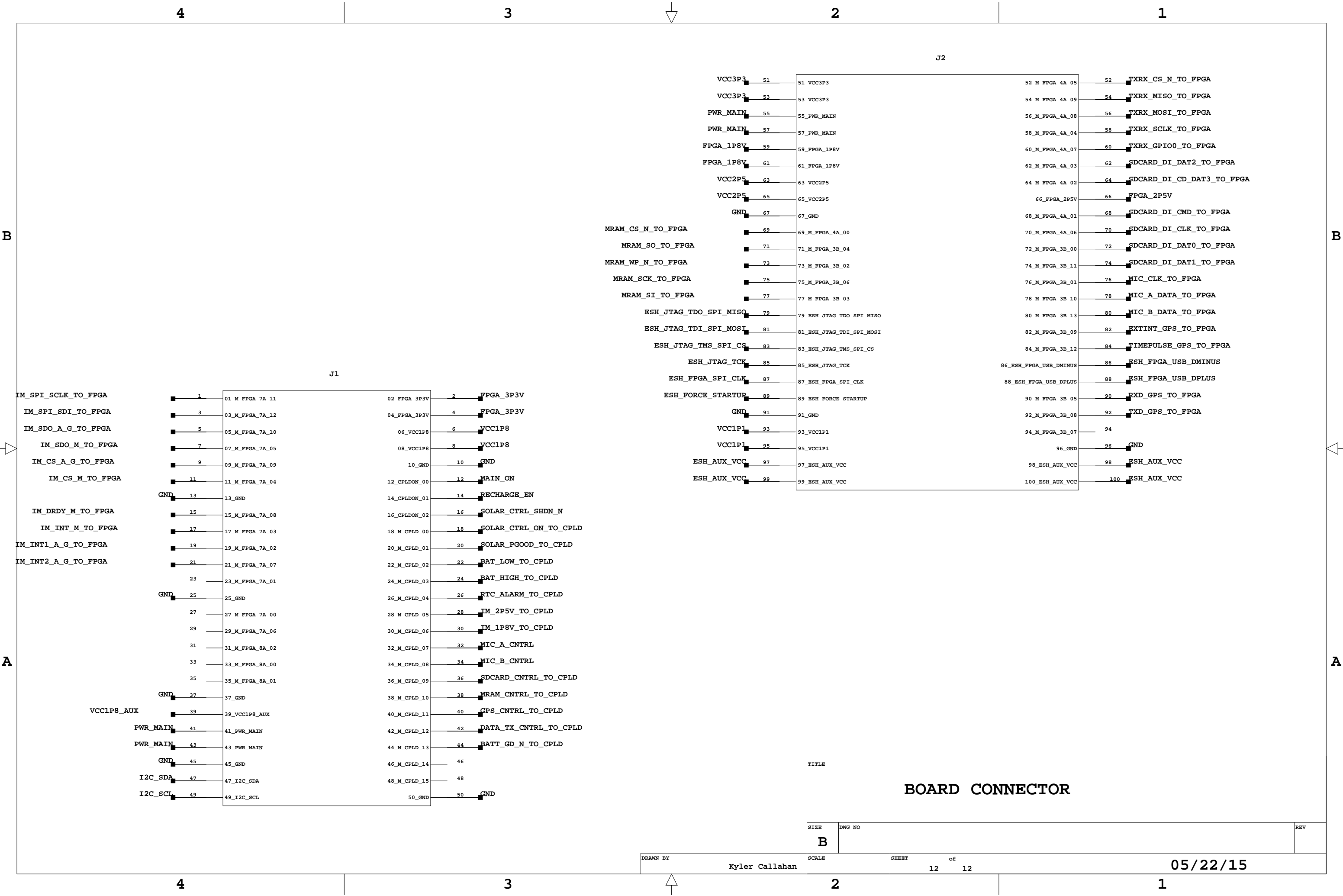
3

2

1

A

B



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