

1

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A

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C

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D

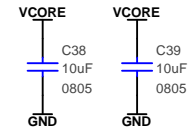
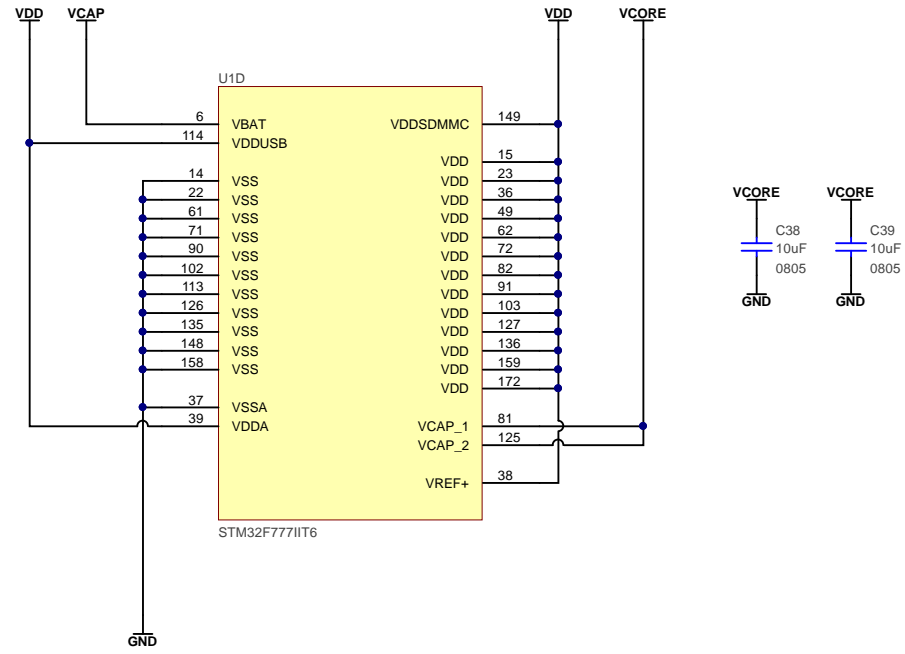
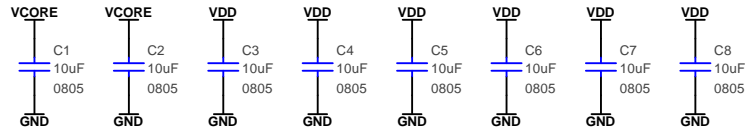
Bigpine Rev. 1
Initial Release

Big Pine Main PCB

Amaya Tech, Inc.
Lafayette, California

Designed By:
Amaya Tech, Inc.
Lafayette, California
joel@amaya.tech

Title Main		
Engineer J. Brinton	Drawn By J. Brinton	
Revision 1	Sheet 1 of 14	Date 8/26/2019



Big Pine Main PCB

Amaya Tech, Inc.
Lafayette, California

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joel@amaya.tech

Title
MCU

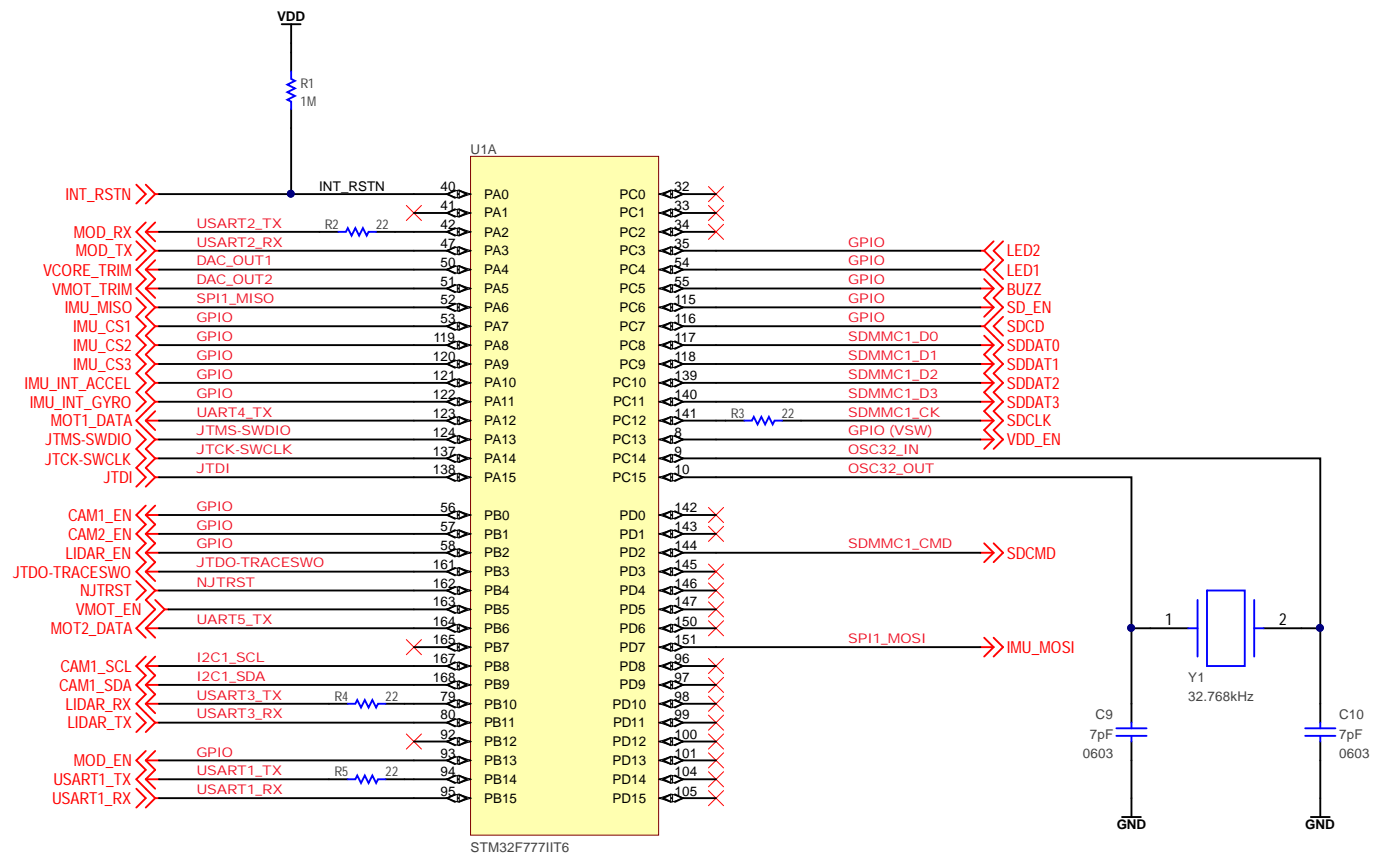
Engineer
J. Brinton

Drawn By
J. Brinton

Revision
1

Sheet 2 of 14

Date
8/26/2019



Big Pine Main PCB

Amaya Tech, Inc.
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Designed By:
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joel@amaya.tech

Title
MCU

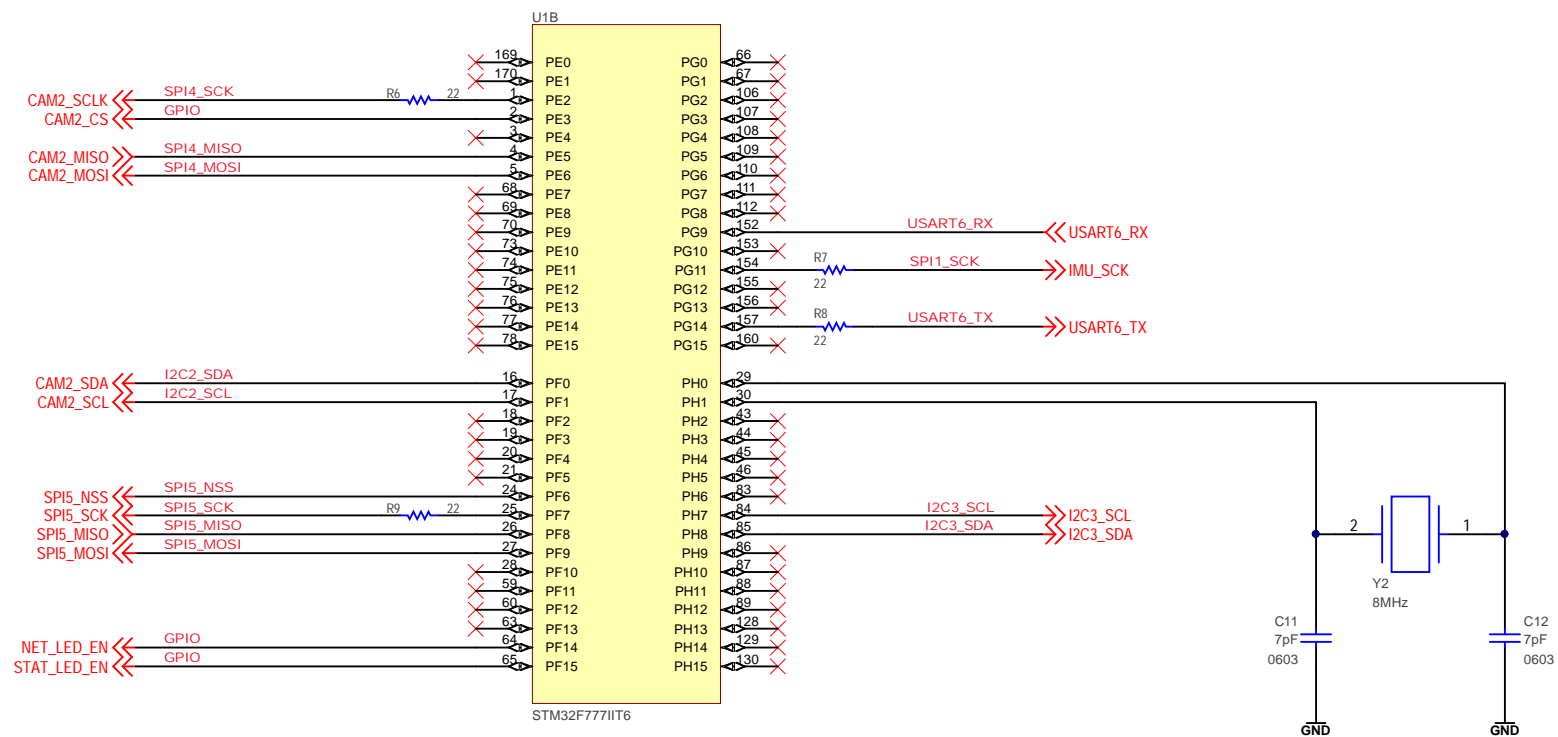
Engineer
J. Brinton

Drawn By
J. Brinton

Revision
1

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Date
8/26/2019



Big Pine Main PCB

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Title
MCU

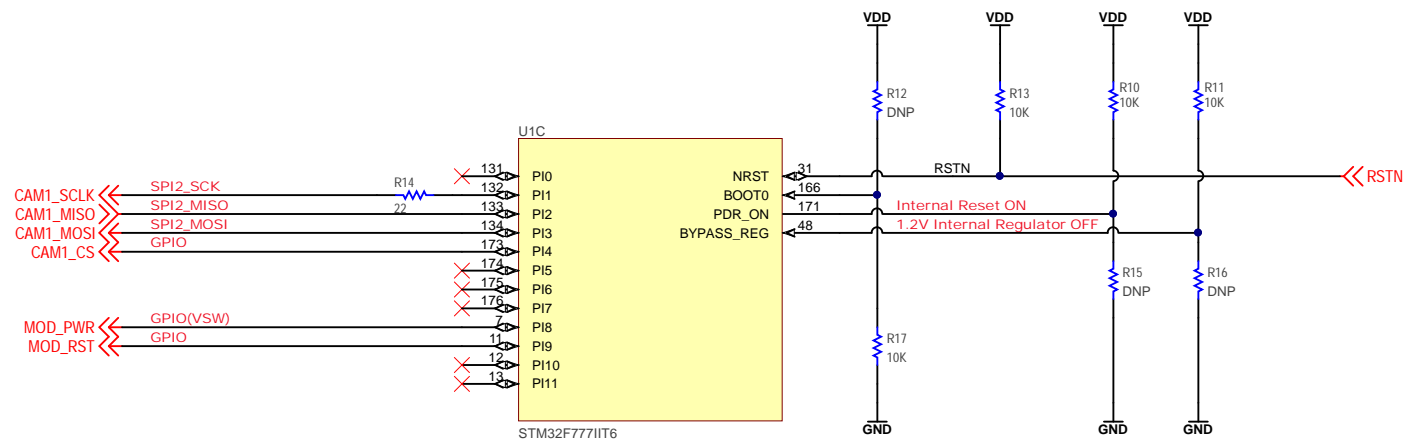
Engineer
J. Brinton

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J. Brinton

Revision
1

Sheet 4 **of** 14

Date
8/26/2019



Big Pine Main PCB

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Title
MCU

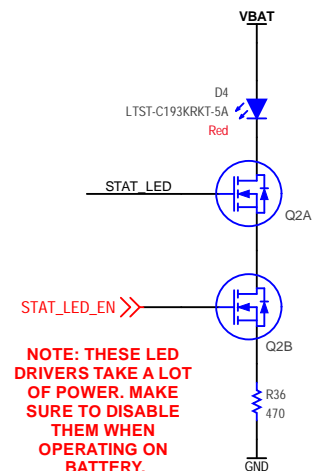
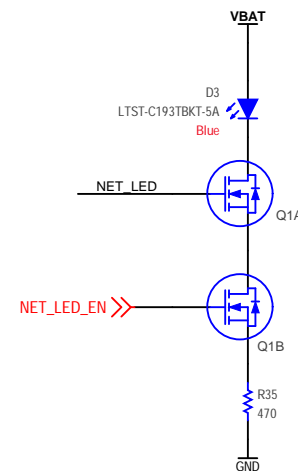
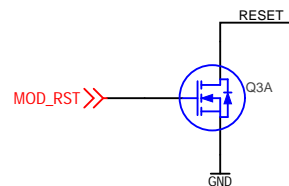
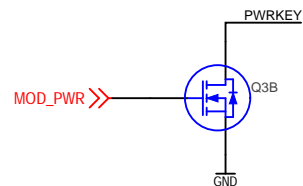
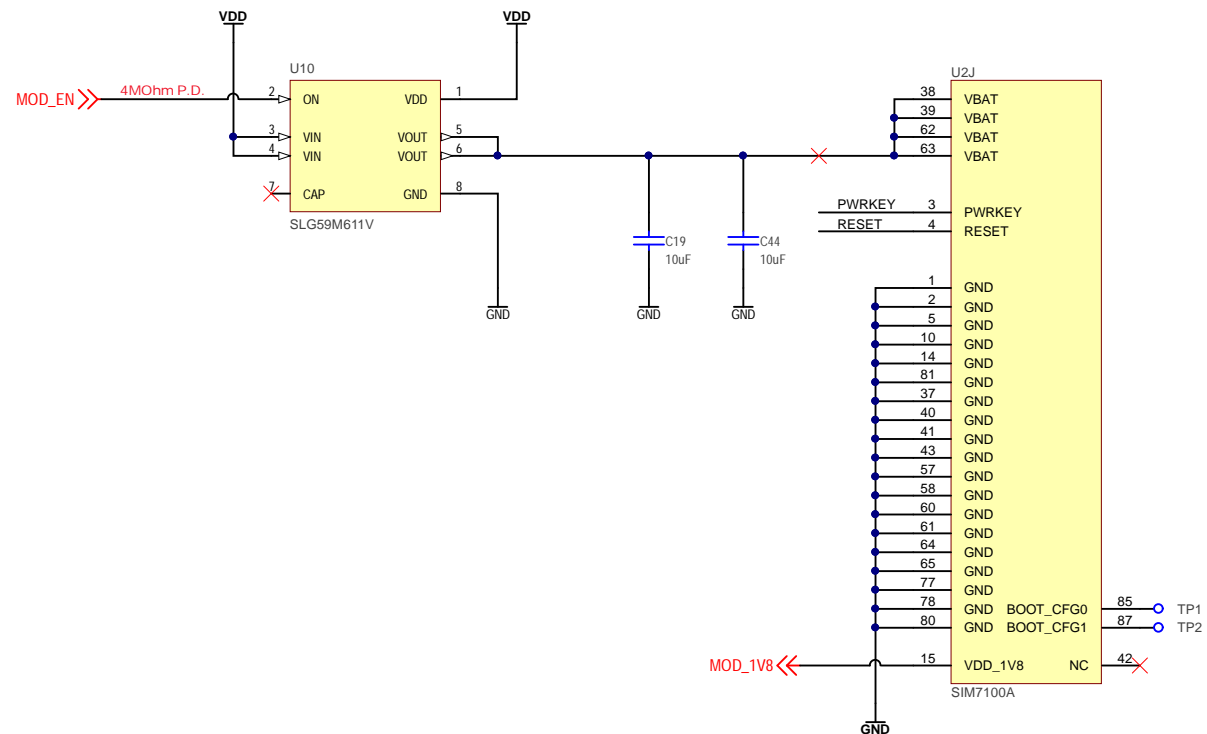
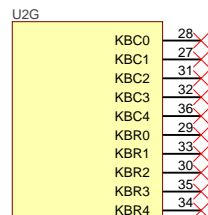
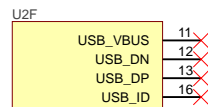
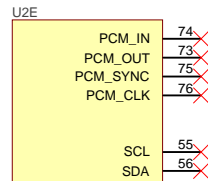
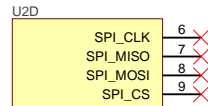
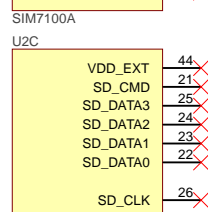
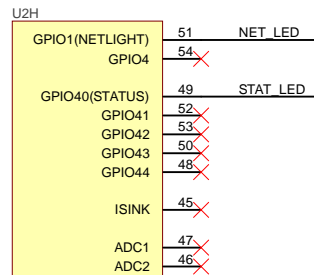
Engineer
J. Brinton

Drawn By
J. Brinton

Revision
1

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Date
8/26/2019



NOTE: THESE LED DRIVERS TAKE A LOT OF POWER. MAKE SURE TO DISABLE THEM WHEN OPERATING ON BATTERY.

Big Pine Main PCB

Amaya Tech, Inc.
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Title
Modem

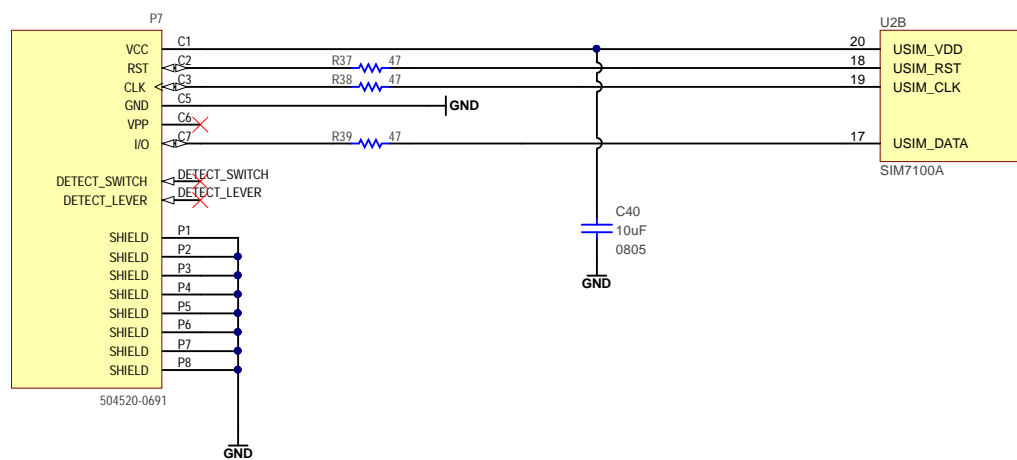
Engineer
J. Brinton

Drawn By
J. Brinton

Revision
1

Sheet 6 of 14

Date
8/26/2019



Big Pine Main PCB

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Title	Modem
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Engineer
J. Brinton

Drawn By J. Brinton

Revision	1
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Date	8/26/2019
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1

2

3

4

A

A

B

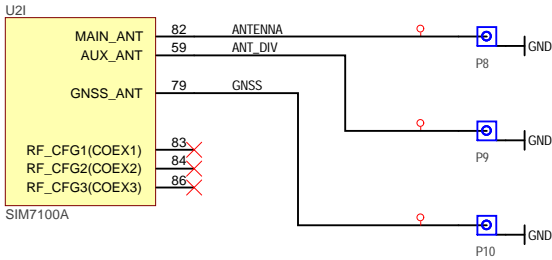
B

C

C

D

D



Big Pine Main PCB

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Lafayette, California
joel@amaya.tech

Title
Modem

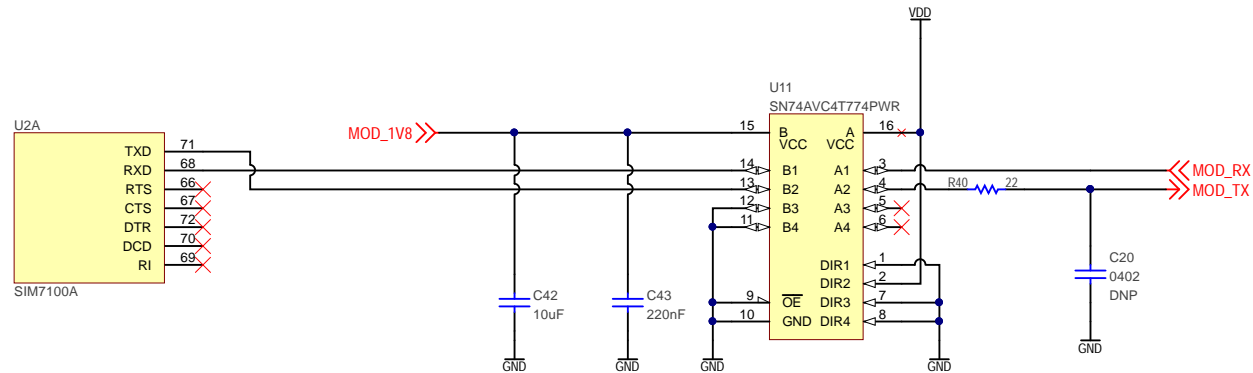
Engineer J. Brinton		Drawn By J. Brinton	
Revision 1	Sheet 8 of 14	Date 8/26/2019	

1

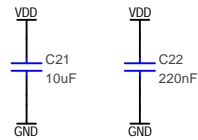
2

3

4



PCB NOTE: PLACE LEVEL TRANSLATOR NEXT TO MODEM



Big Pine Main PCB

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Title
Modem

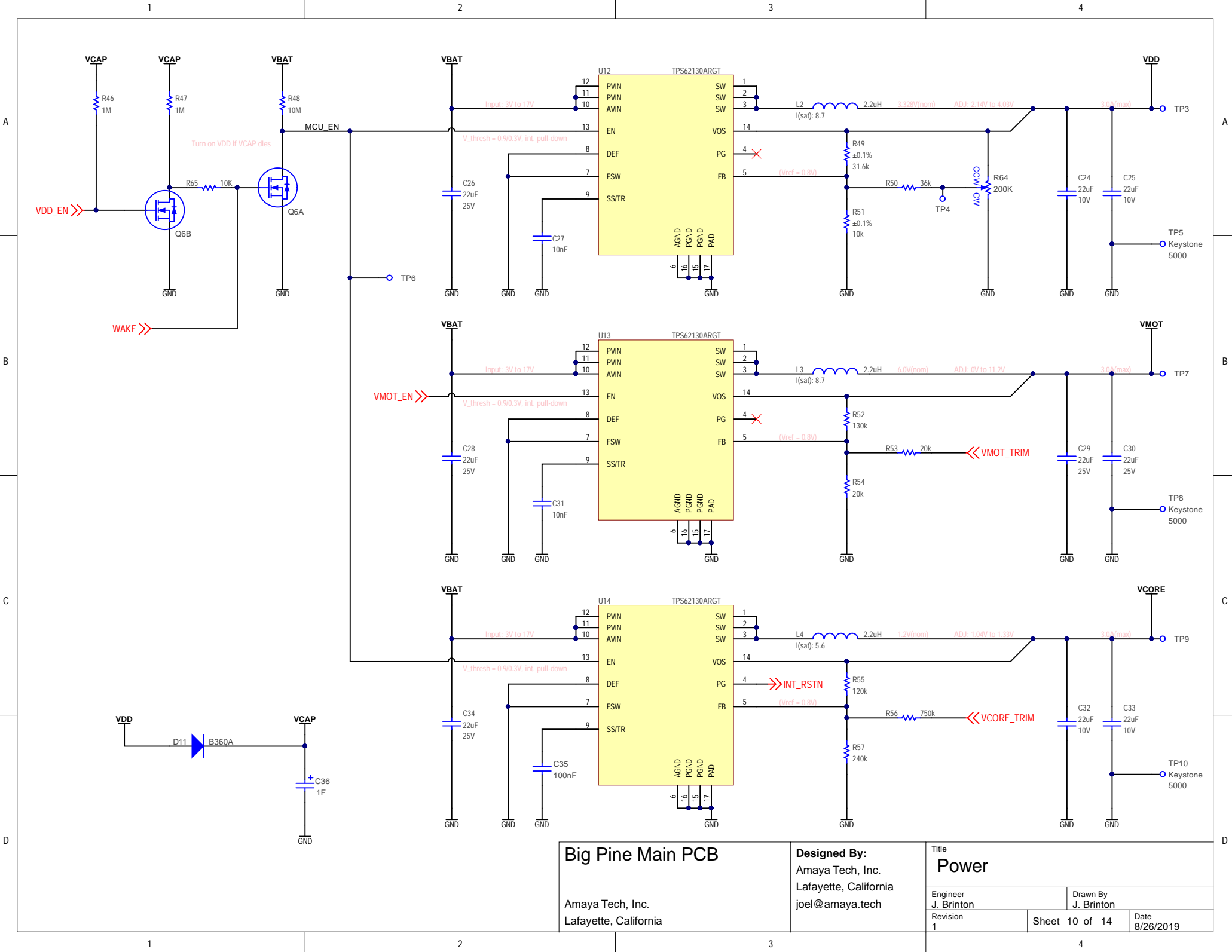
Engineer
J. Brinton

Drawn By
J. Brinton

Revision
1

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Date
8/26/2019



Big Pine Main PCB

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Power

Engineer
J. Brinton

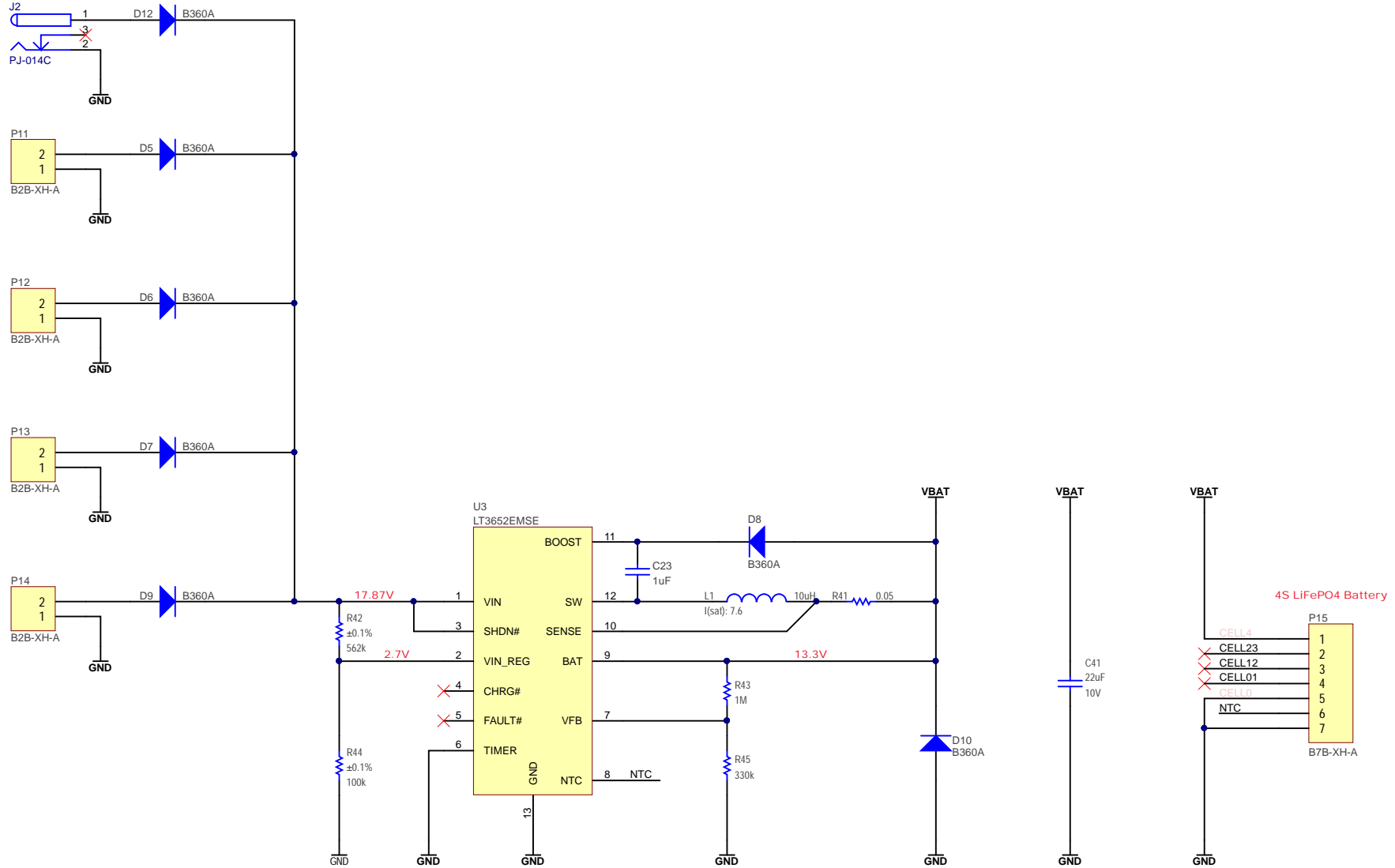
Drawn By
J. Brinton

Revision
1

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Date
8/26/2019

RECOMMENDED AC-DC 24V DESKTOP ADAPTER: <https://www.inspiredled.com/product/24v-power-supply/>



Big Pine Main PCB

Amaya Tech, Inc.
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Title
MPPT

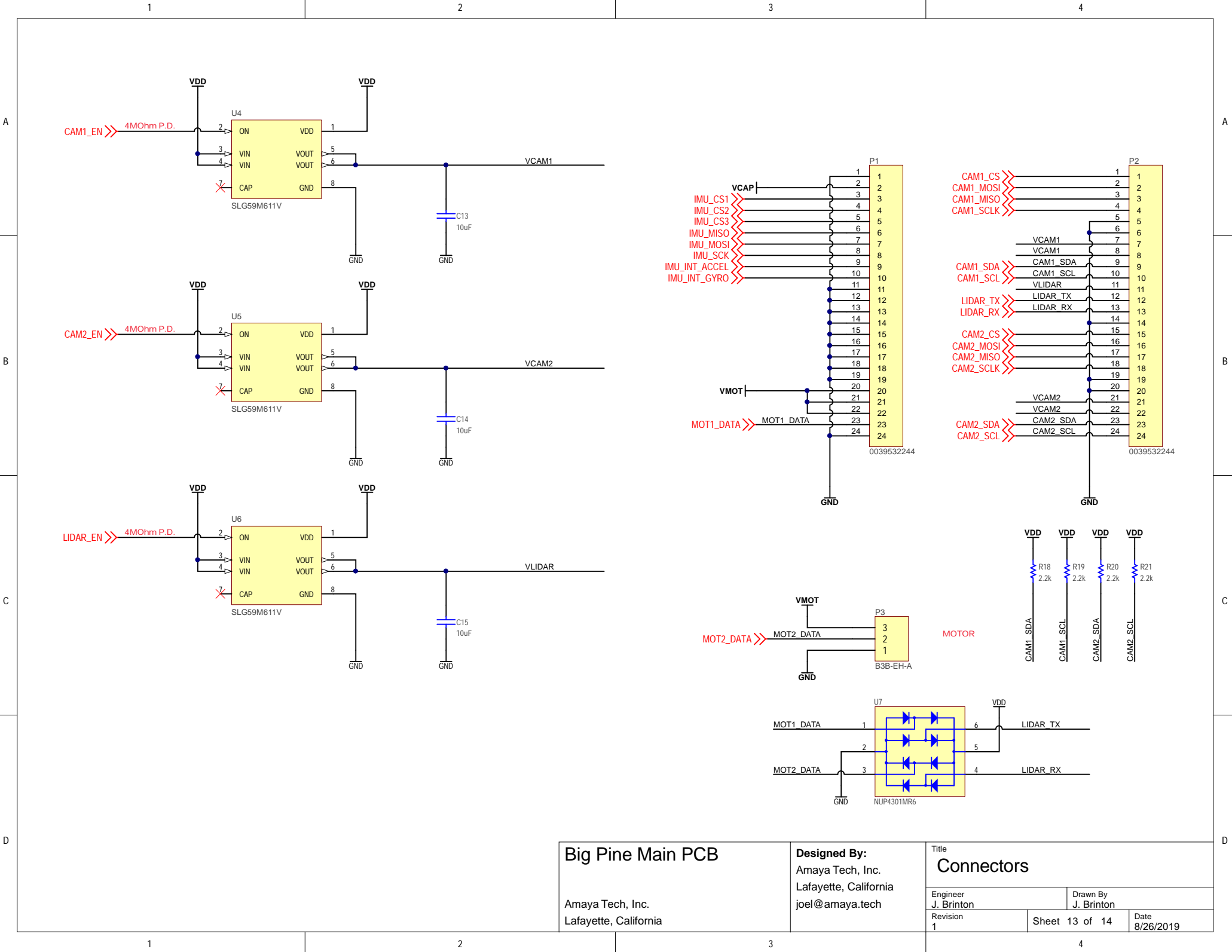
Engineer
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Drawn By
J. Brinton

Revision
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Date
8/26/2019



Big Pine Main PCB

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joel@amaya.tech

Connectors

Engineer J. Brinton		Drawn By J. Brinton	
Revision 1	Sheet 13 of 14	Date 8/26/2019	

A

A

B

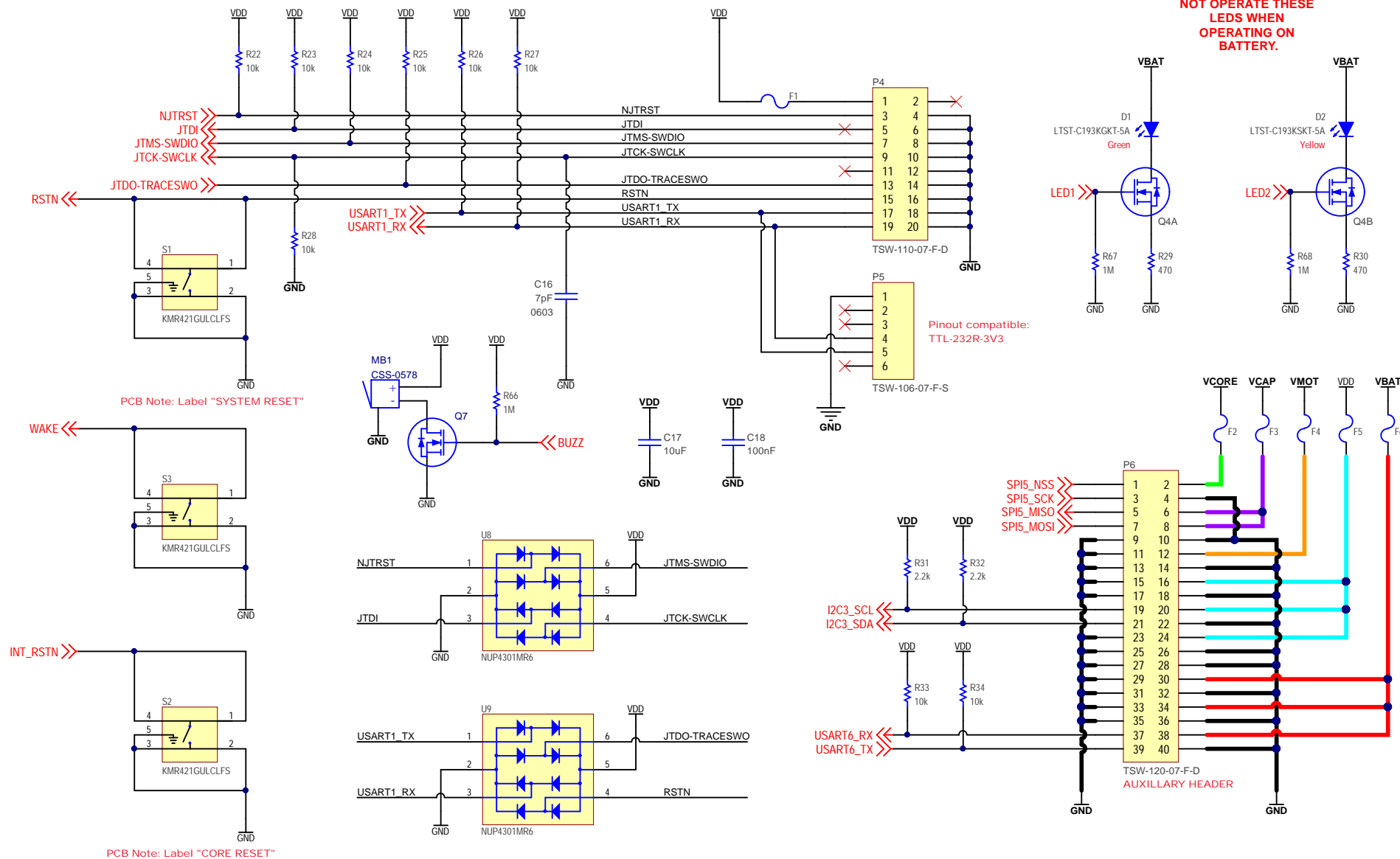
B

C

C

D

D



Big Pine Main PCB

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Title
Miscellaneous

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Drawn By
J. Brinton

Revision
1

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Date
8/26/2019