

FUEL GAUGE & IO EXTENDER

| REVISION RECORD |         |           |       |
|-----------------|---------|-----------|-------|
| LTR             | ECO NO: | APPROVED: | DATE: |
|                 |         |           |       |
|                 |         |           |       |
|                 |         |           |       |
|                 |         |           |       |

D

D

C

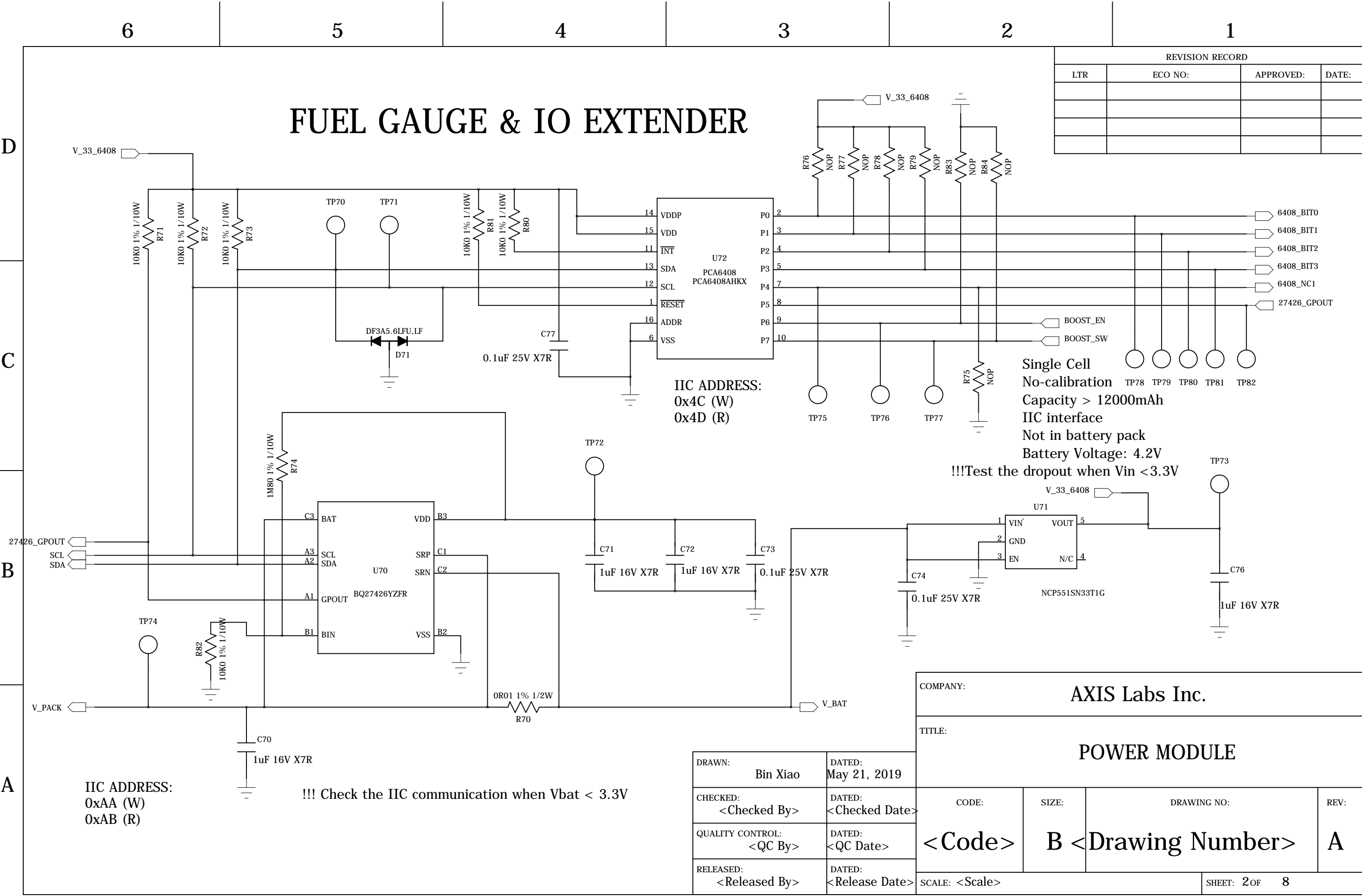
C

B

B

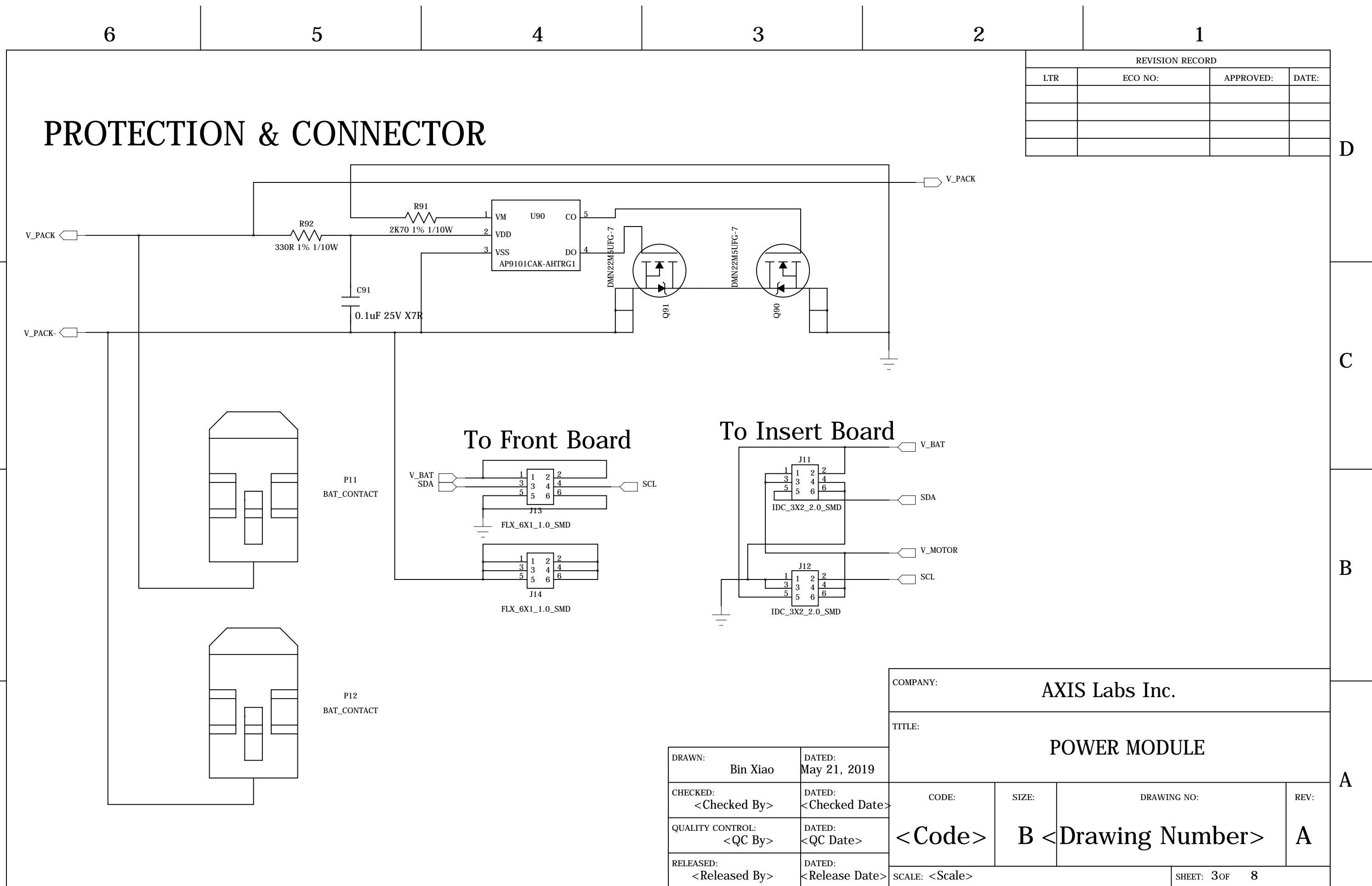
A

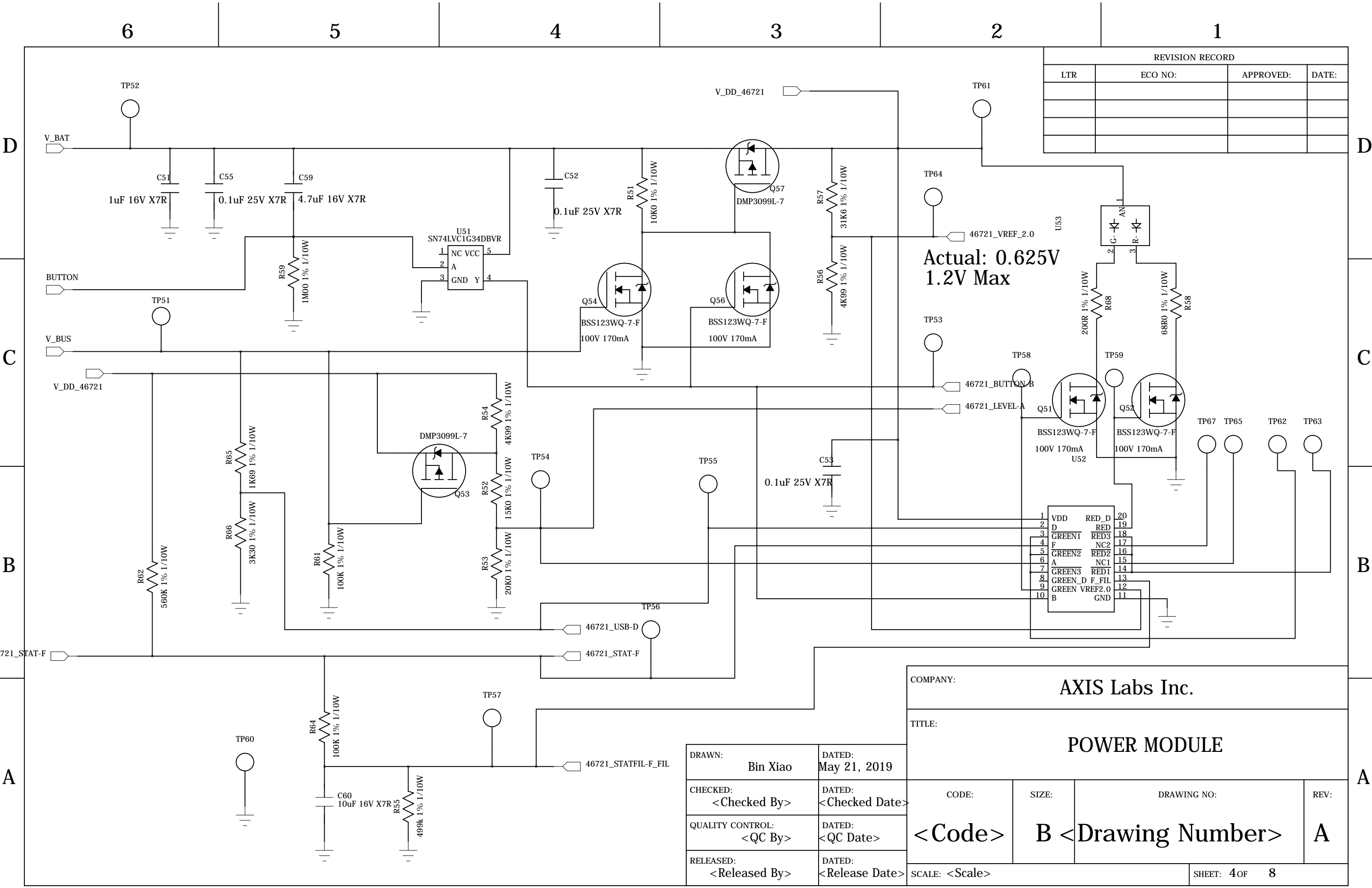
A

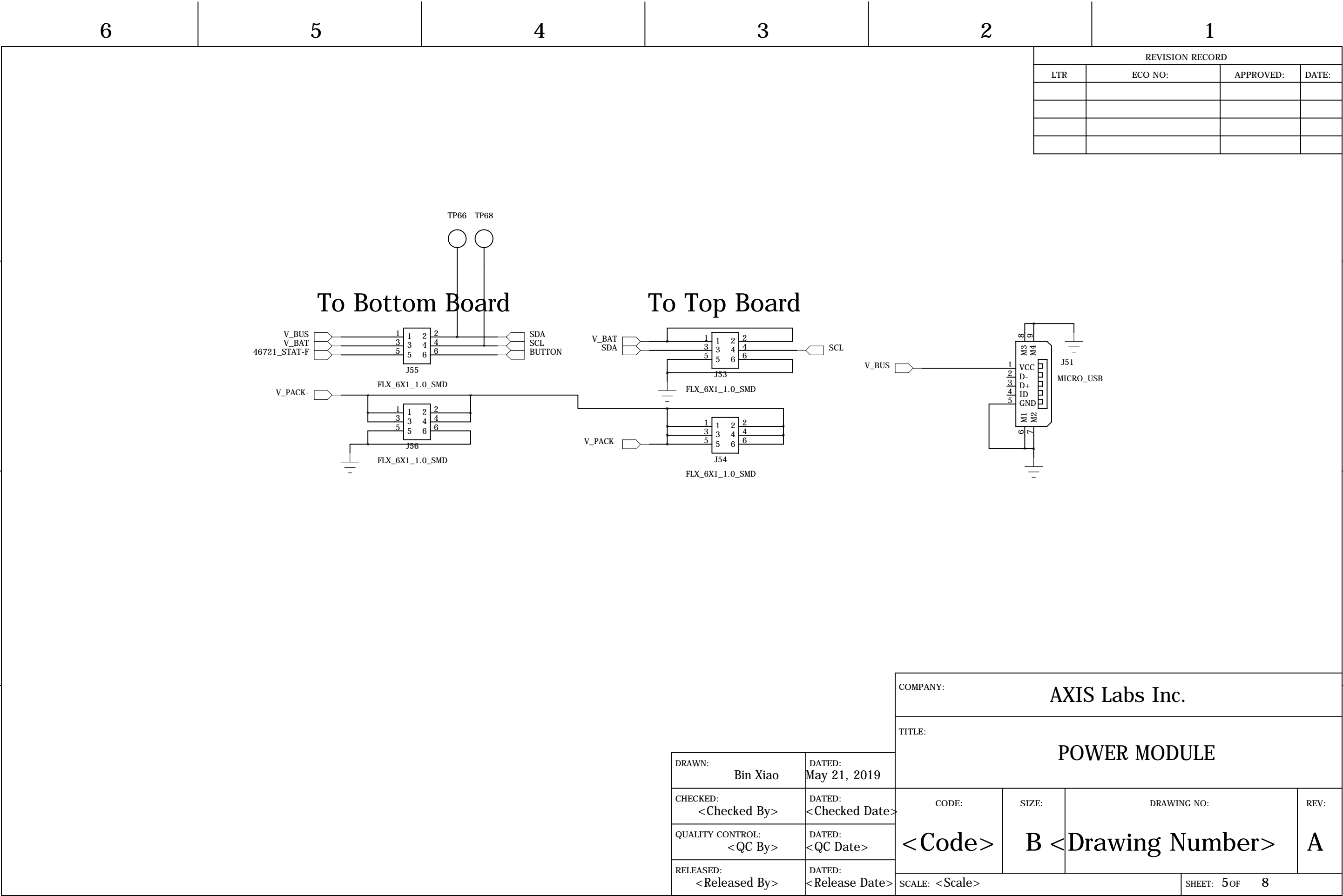


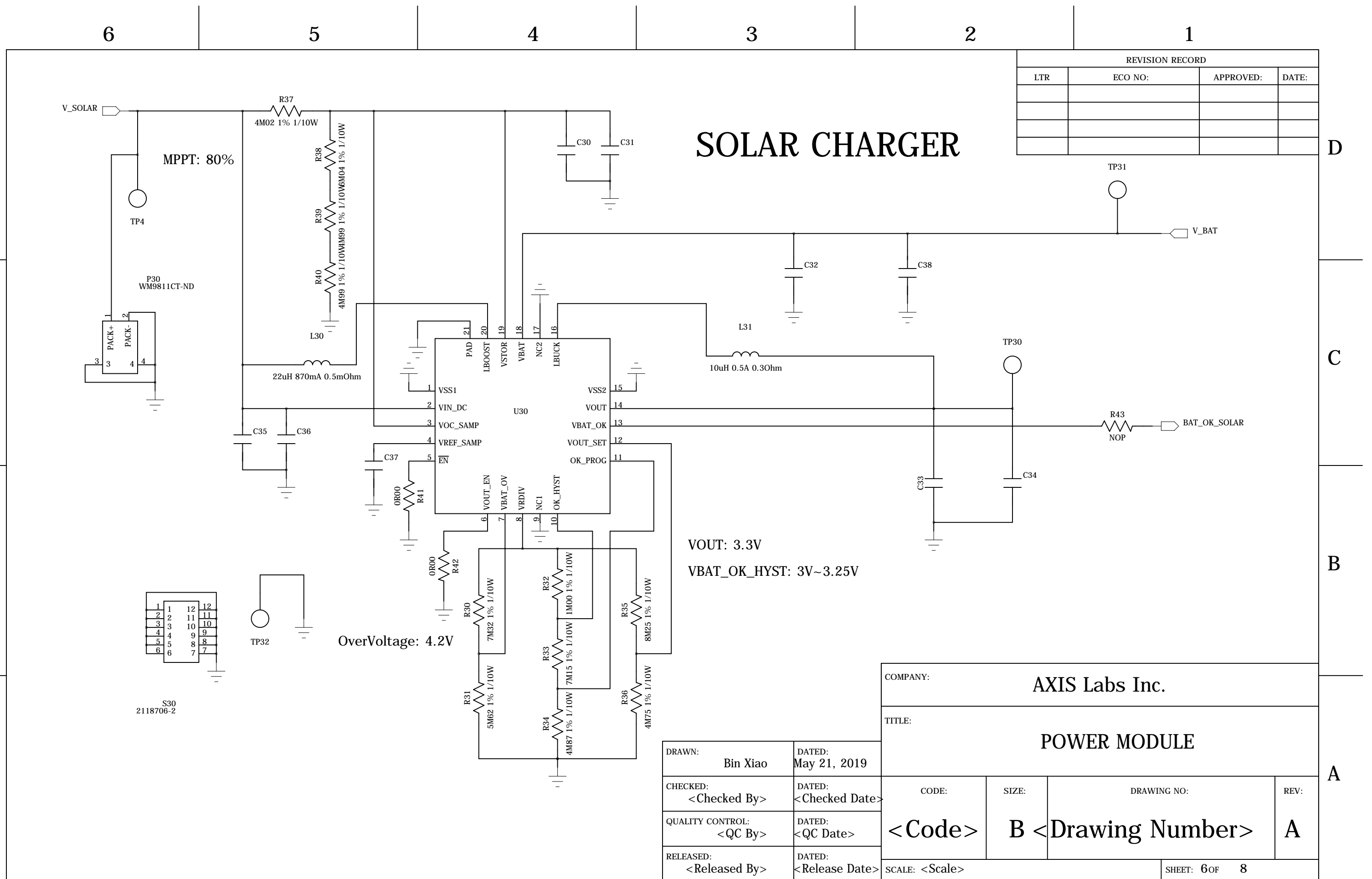
|                |       |                  |      |
|----------------|-------|------------------|------|
| COMPANY:       |       | AXIS Labs Inc.   |      |
| TITLE:         |       | POWER MODULE     |      |
| CODE:          | SIZE: | DRAWING NO:      | REV: |
| <Code>         | B     | <Drawing Number> | A    |
| SCALE: <Scale> |       | SHEET: 2 OF 8    |      |

|                  |               |        |                |
|------------------|---------------|--------|----------------|
| DRAWN:           | Bin Xiao      | DATED: | May 21, 2019   |
| CHECKED:         | <Checked By>  | DATED: | <Checked Date> |
| QUALITY CONTROL: | <QC By>       | DATED: | <QC Date>      |
| RELEASED:        | <Released By> | DATED: | <Release Date> |









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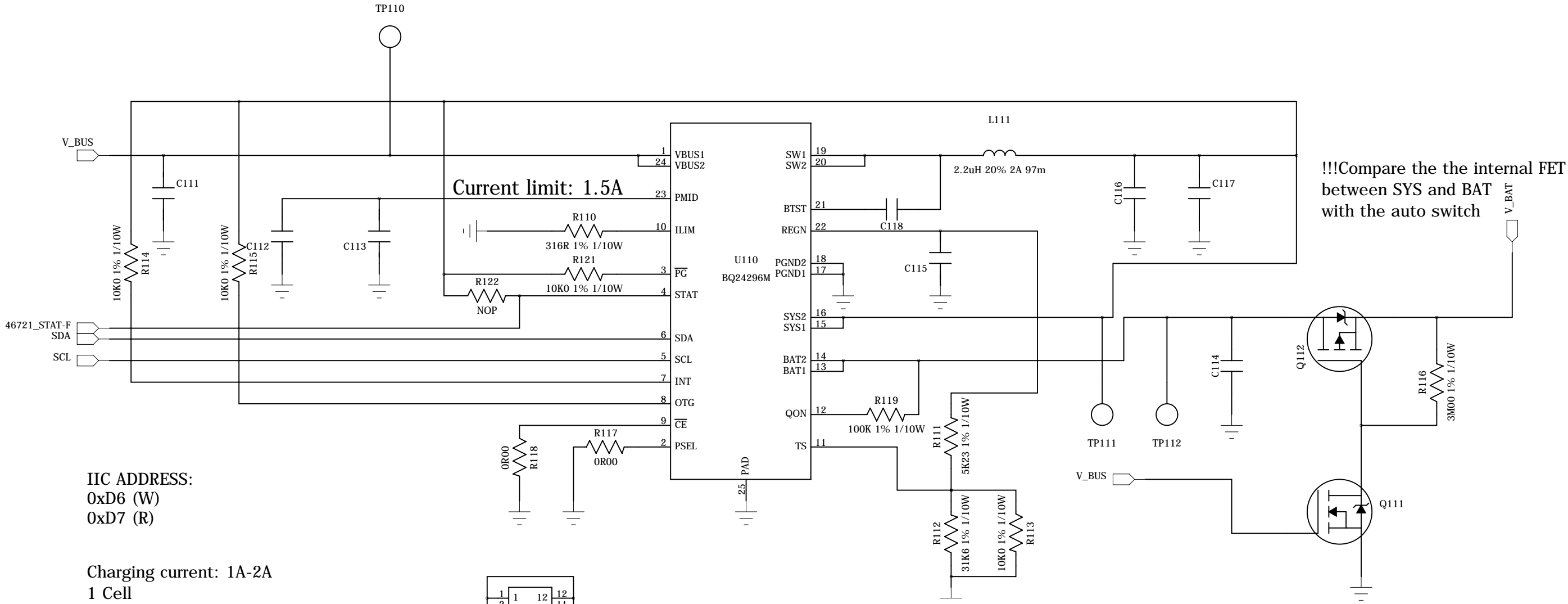
2

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REVISION RECORD

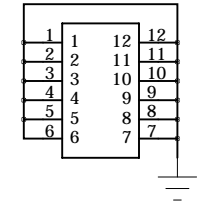
| LTR | ECO NO: | APPROVED: | DATE: |
|-----|---------|-----------|-------|
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|     |         |           |       |

USB CHARGER



IIC ADDRESS:  
0xD6 (W)  
0xD7 (R)

Charging current: 1A-2A  
1 Cell  
Battery Voltage: 4.2V  
Switching mode buck/boost  
IIC interface  
FET built in  
Leakage current from battery to VBUS < 10uA  
Current Limitation  
Do not have to feed a WDT



S110  
2118706-2

|                                |                |   |               |
|--------------------------------|----------------|---|---------------|
| COMPANY: <b>AXIS Labs Inc.</b> |                |   |               |
| TITLE: <b>POWER MODULE</b>     |                |   |               |
| CODE: <b>&lt;Code&gt;</b>      | SIZE: <b>B</b> | DRAWING NO: <b>&lt;Drawing Number&gt;</b> | REV: <b>A</b> |
| SCALE: <Scale>                 |                |   | SHEET: 7 OF 8 |

|                                       |                                    |
|---------------------------------------|------------------------------------|
| DRAWN: <b>Bin Xiao</b>                | DATED: <b>May 21, 2019</b>         |
| CHECKED: <b>&lt;Checked By&gt;</b>    | DATED: <b>&lt;Checked Date&gt;</b> |
| QUALITY CONTROL: <b>&lt;QC By&gt;</b> | DATED: <b>&lt;QC Date&gt;</b>      |
| RELEASED: <b>&lt;Released By&gt;</b>  | DATED: <b>&lt;Release Date&gt;</b> |

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D

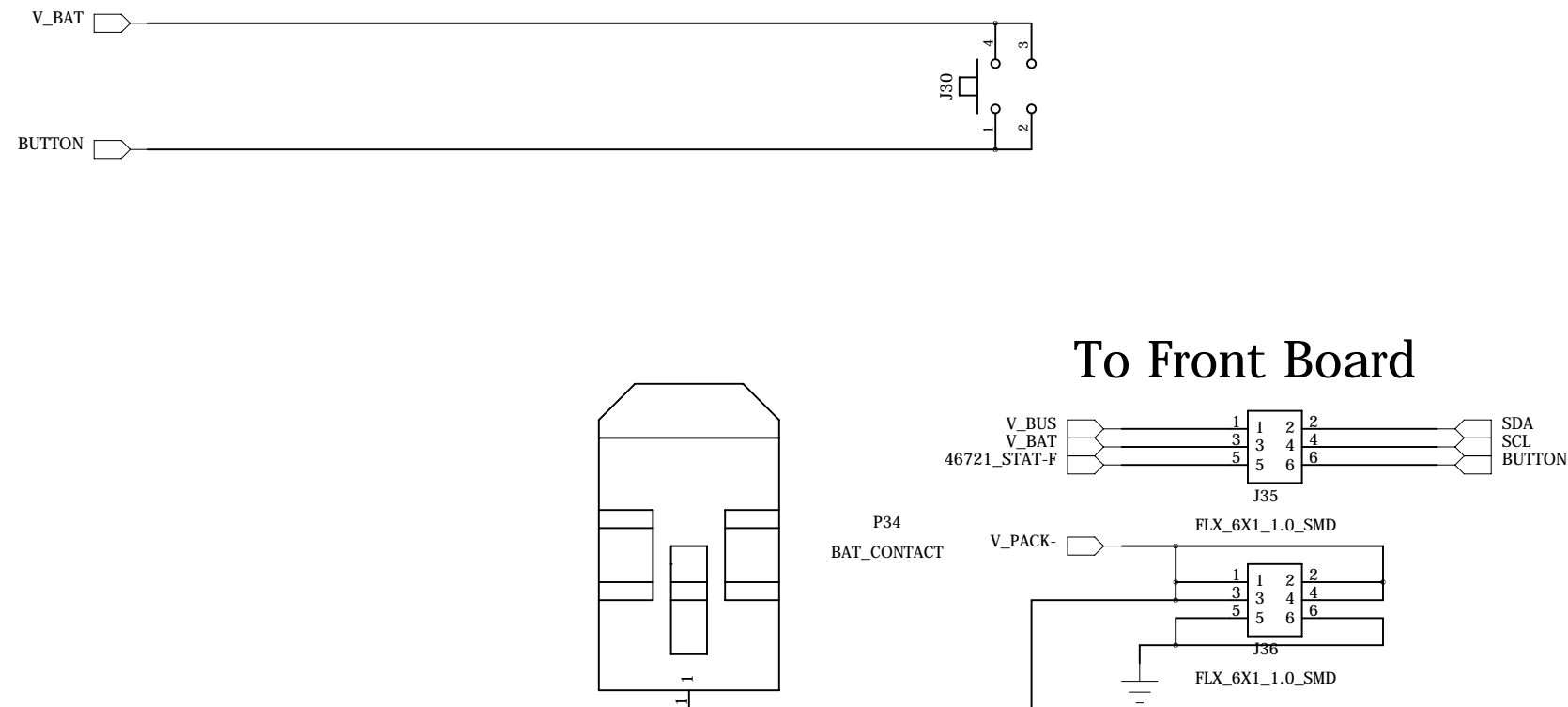
D

## BATTERY CONTACT

C

C

To Front Board



B

B

A

A

|                             |  |                          |  |                     |                |                                     |               |
|-----------------------------|--|--------------------------|--|---------------------|----------------|-------------------------------------|---------------|
| DRAWN:<br>Bin Xiao          |  | DATED:<br>May 21, 2019   |  | POWER MODULE        |                |                                     |               |
| CHECKED:<br><Checked By>    |  | DATED:<br><Checked Date> |  | CODE:<br><br><Code> | SIZE:<br><br>B | DRAWING NO:<br><br><Drawing Number> | REV:<br><br>A |
| QUALITY CONTROL:<br><QC By> |  | DATED:<br><QC Date>      |  |                     |                |                                     |               |
| RELEASED:<br><Released By>  |  | DATED:<br><Release Date> |  | SCALE: <Scale>      |                |                                     | SHEET: 8 OF 8 |