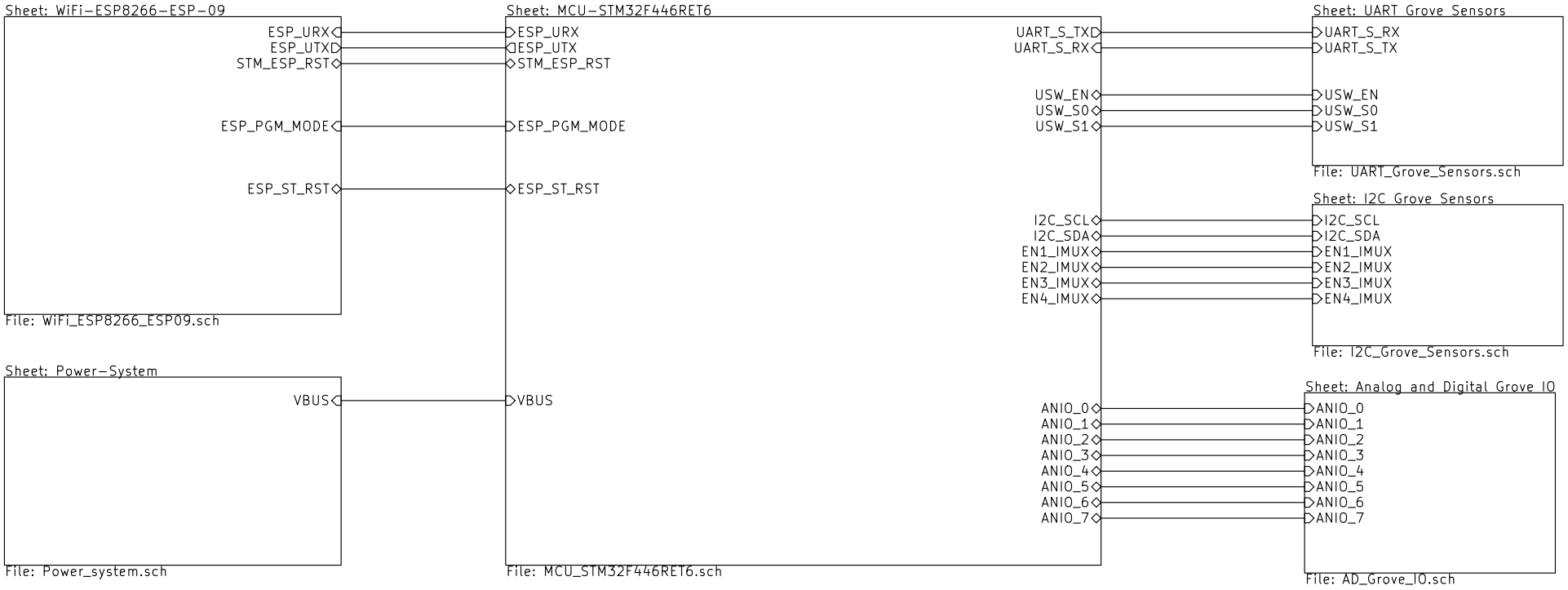
# SunLeaf 0.2a System Overview

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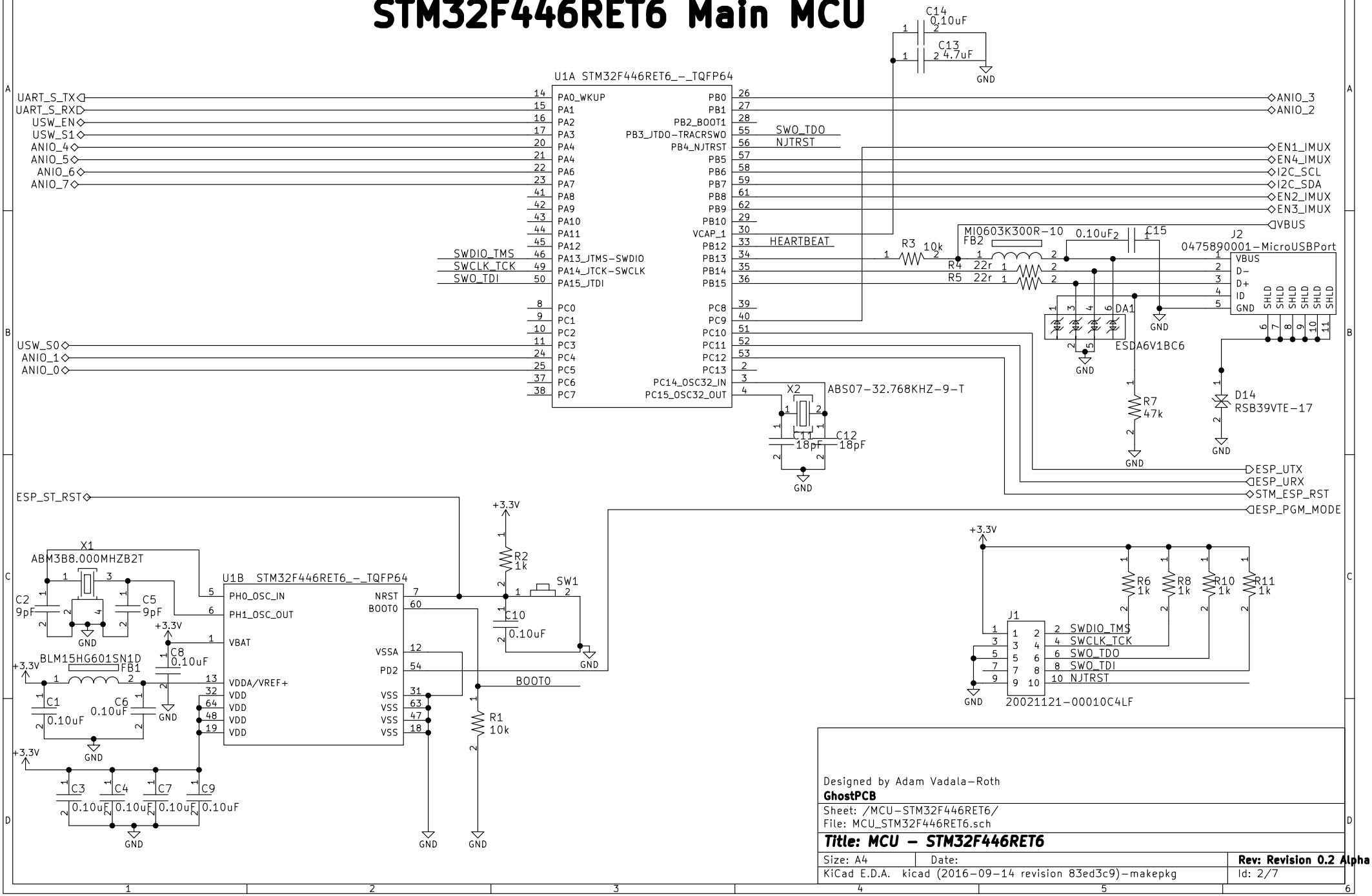
Sheet: /
File: SunLeaf_V2.sch

***Title: SunLeaf 0.2a***

| Size: A4 | Date: | **Rev: Revision 0.2 Alpha** |
|---|---|---|
| KiCad E.D.A. kicad (2016-09-14 revision 83ed3c9)-makepkg | | Id: 1/7 |

# STM32F446RET6 Main MCU

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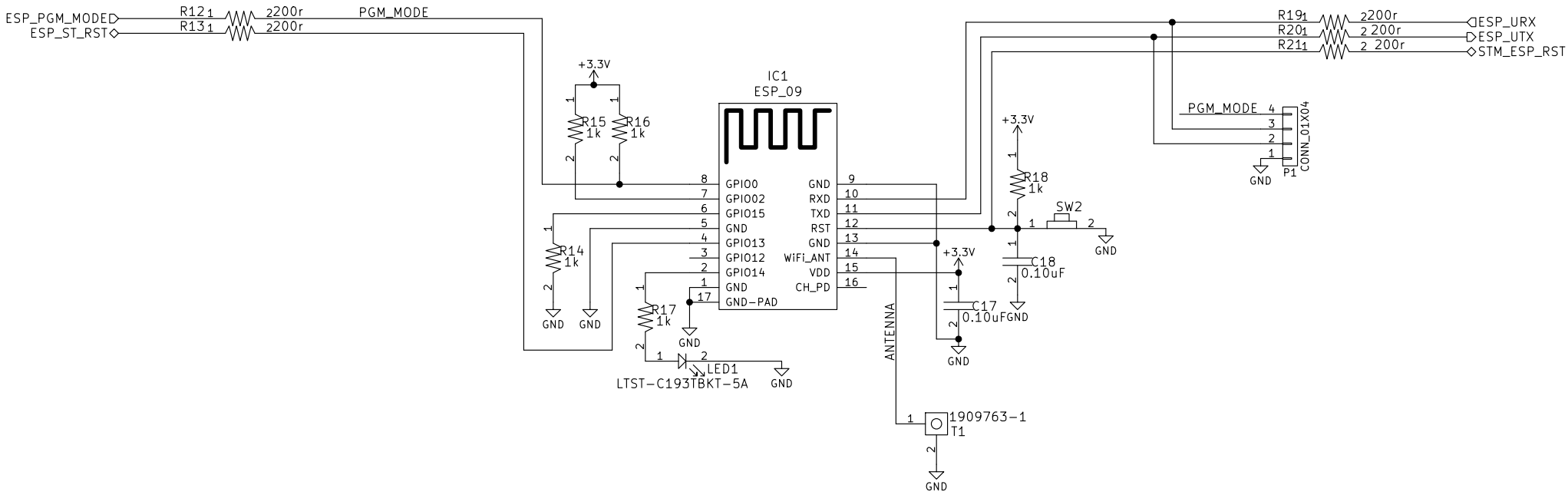
Sheet: /MCU-STM32F446RET6/

File: MCU_STM32F446RET6.sch

***Title: MCU - STM32F446RET6***

| Size: A4 | Date: | **Rev: Revision 0.2 Alpha** |
|---|---|---|
| KiCad E.D.A. kicad (2016-09-14 revision 83ed3c9)-makepkg | | Id: 2/7 |

# ESP-09 ESP8266 WiFi RF Module

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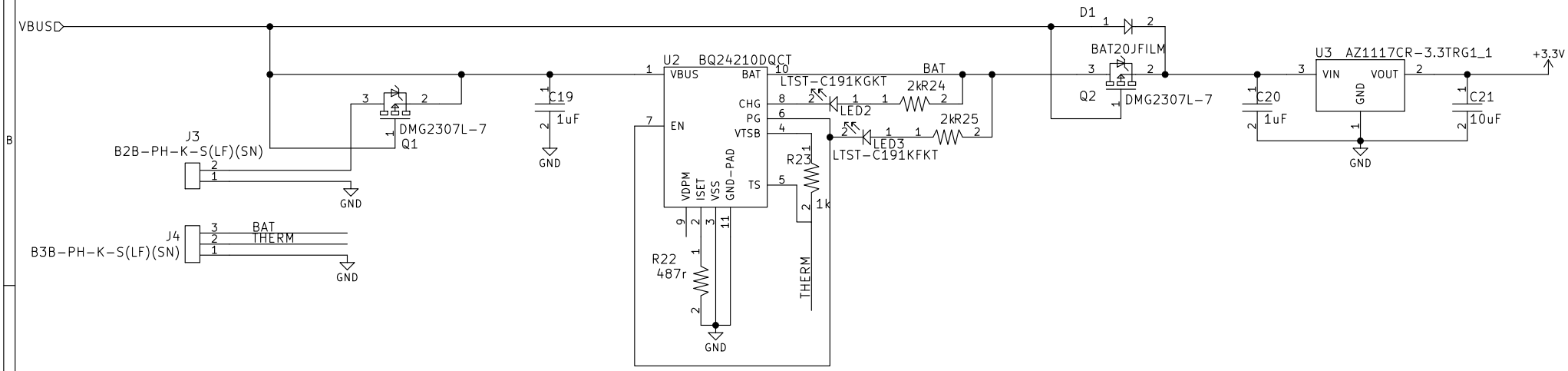
Sheet: /WiFi-ESP8266-ESP-09/
File: WiFi_ESP8266_ESP09.sch

***Title: WiFi ESP8266 ESP-09 Module***

| Size: A4 | Date: | **Rev: Revision 0.2 Alpha** |
|---|---|---|
| KiCad E.D.A. kicad (2016-09-14 revision 83ed3c9)-makepkg | | Id: 3/7 |

# Battery Charge Controller and Power Supply

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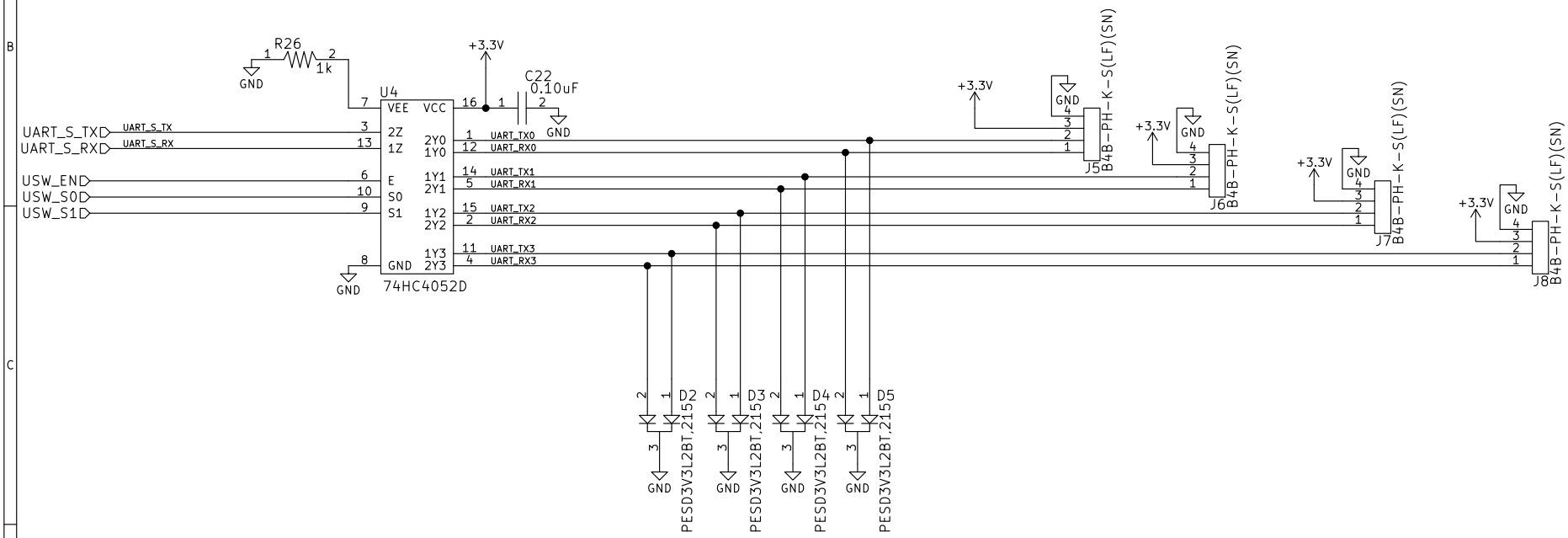
**GhostPCB**

Sheet: /Power-System/
File: Power_system.sch

***Title: Power System - LDO & Solar Battery Charger***

| Size: A4 | Date: | **Rev: Revision 0.2 Alpha** |
|---|---|---|
| KiCad E.D.A. kicad (2016-09-14 revision 83ed3c9)-makepkg | | Id: 4/7 |

# UART Grove Sensors

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**GhostPCB**

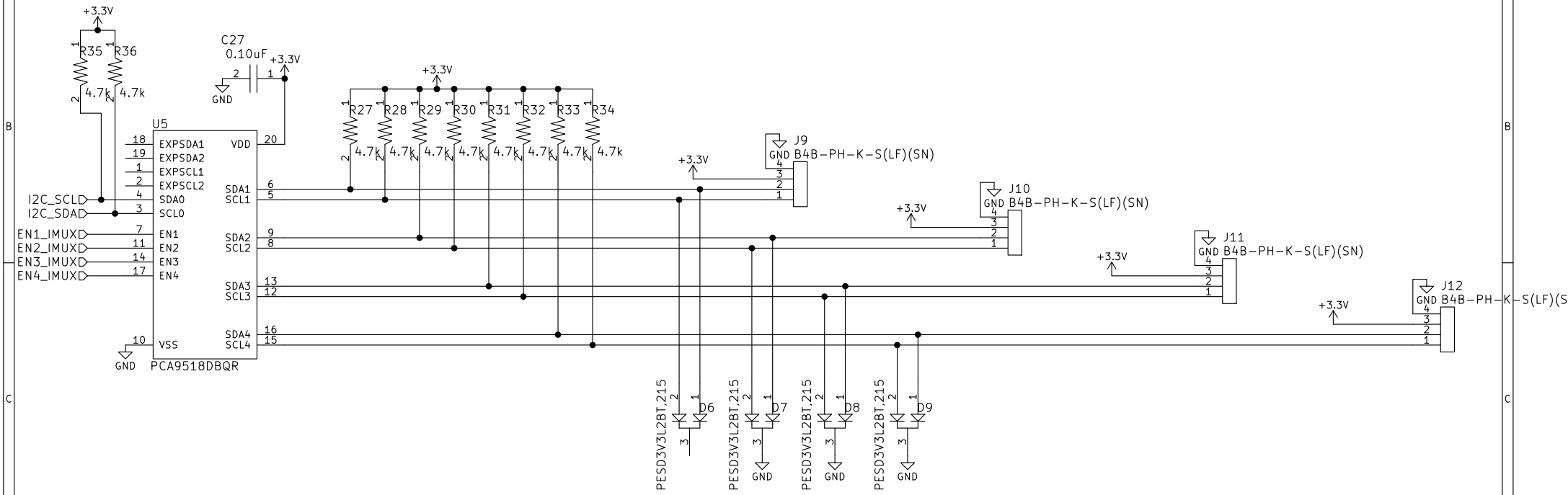
Sheet: /UART Grove Sensors/

File: UART_Grove_Sensors.sch

***Title: UART Grove Sensor Ports***

| Size: A4 | Date: | **Rev: Revision 0.2 Alpha** |
|---|---|---|
| KiCad E.D.A. kicad (2016-09-14 revision 83ed3c9)-makepkg | | Id: 5/7 |

# I2C Grove Sensors

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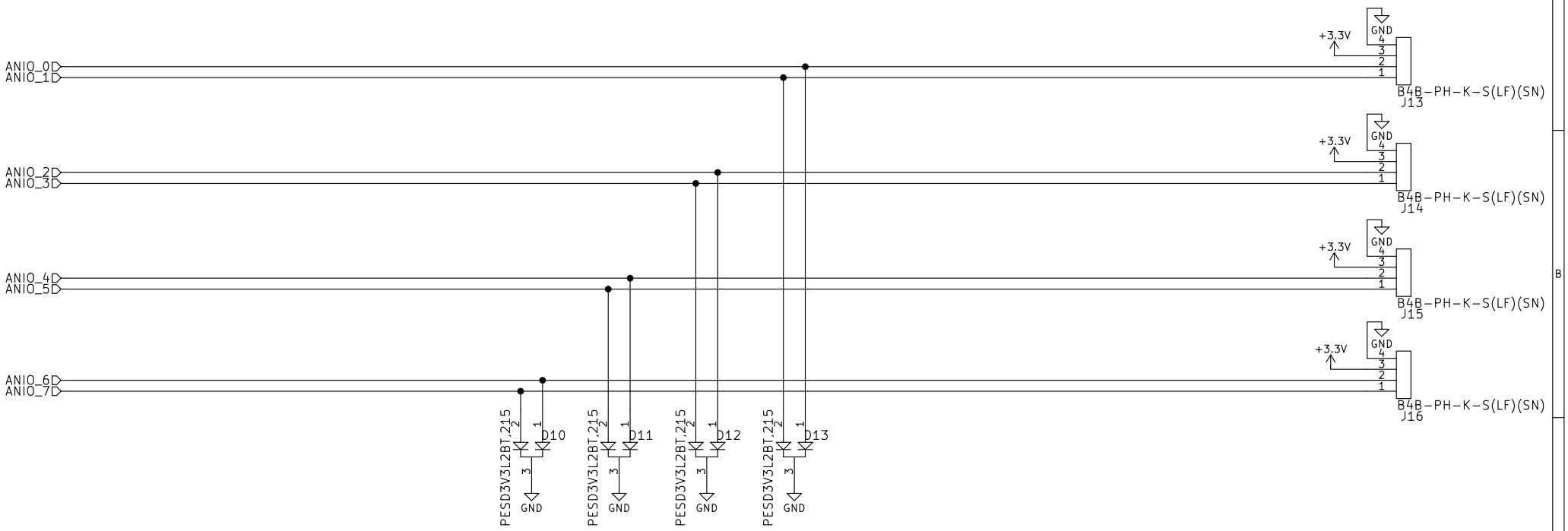
**GhostPCB**

Sheet: /I2C Grove Sensors/
File: I2C_Grove_Sensors.sch

***Title: I2C Grove Sensor Ports***

| Size: A4 | Date: | **Rev: Revision 0.2 Alpha** |
|---|---|---|
| KiCad E.D.A. kicad (2016-09-14 revision 83ed3c9)-makepkg | | Id: 6/7 |

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**GhostPCB**

Sheet: /Analog and Digital Grove IO/
File: AD_Grove_IO.sch

***Title: Analog and Digital Grove IO Ports***

| Size: A4 | Date: | **Rev: Revision 0.2 Alpha** |
|---|---|---|
| KiCad E.D.A. kicad (2016-09-14 revision 83ed3c9)-makepkg | | Id: 7/7 |